

PRELIMINARY RESULTS

EBA ENG CONSULTANTS LTD

DATE: 18-AUG-03 10:53 AM

ATTN: S. TAYLOR

14940 123 AVE NORTH BLDG

EDMONTON AB T5V 1B4

Lab Work Order #: L125248

Sampled By: S.TAYLOR

Date Received: 15-AUG-03

P.O. #:

Job #: BOSTON CAMP

Comments:

APPROVED BY: _____

KAREN HUEBNER

Project Manager

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

LABORATORY ACCREDITATIONS:

- STANDARDS COUNCIL OF CANADA IN COOPERATION WITH THE CANADIAN ASSOCIATION FOR ENVIRONMENTAL ANALYTICAL LABORATORIES (CAEAL) FOR SPECIFIC TESTS AS REGISTERED BY THE COUNCIL (EDMONTON, CALGARY, GRANDE PRAIRIE, SASKATOON, WINNIPEG, THUNDER BAY, WATERLOO)
- AMERICAN INDUSTRIAL HYGIENE ASSOCIATION (AIHA) IN THE INDUSTRIAL HYGIENE PROGRAM (EDMONTON, WINNIPEG)
- STANDARDS COUNCIL OF CANADA IN COOPERATION WITH THE CANADIAN FOOD INSPECTION AGENCY (CFIA) FOR FERTILIZER AND FEED TESTING (SASKATOON) AND FOR MICROBIOLOGICAL TESTING IN FOOD (WINNIPEG)

LABORATORY RECOGNITIONS:

- STANDARDS COUNCIL OF CANADA - GLP COMPLIANT FACILITY (EDMONTON, OTTAWA)

ENVIRO-TEST ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	By	Batch
L125248-1 WT 3:00 BEFORE Sample Date: 13-AUG-03 Matrix: WATER BTEX, TVH and TEH TEH (C11-C30) TEH-GC/FID Chromatogram BTEX and TVH (C5-C10) Benzene Toluene Ethylbenzene Xylenes Total Volatiles BTEX, TVH and TEH TEH (C11-C30) TEH-GC/FID Chromatogram BTEX and TVH (C5-C10) Benzene Toluene Ethylbenzene Xylenes Total Volatiles	2400 See attached Chrom 0.94 21 4.0 15 90 2400 See attached Chrom 0.94 21 4.0 15 90		0.05 0.0005 0.0005 0.0005 0.0005 0.1 0.05 0.0005 0.0005 0.0005 0.0005 0.1	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	15-AUG-03 16-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 16-AUG-03 15-AUG-03 16-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03	15-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 15-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03	CTL CTL IAG IAG IAG IAG IAG CTL CTL IAG IAG IAG IAG IAG	R138186 R138186 R138147 R138147 R138147 R138147 R138147 R138186 R138186 R138147 R138147 R138147 R138147 R138147
L125248-2 WT 3:30 AFTER Sample Date: 13-AUG-03 Matrix: WATER BTEX, TVH and TEH TEH (C11-C30) BTEX and TVH (C5-C10) Benzene Toluene Ethylbenzene Xylenes Total Volatiles	<0.05 0.0006 0.0006 <0.0005 <0.0005 <0.1		0.05 0.0005 0.0005 0.0005 0.0005 0.1	mg/L mg/L mg/L mg/L mg/L mg/L	15-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03	15-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03	CTL IAG IAG IAG IAG IAG	R138186 R138147 R138147 R138147 R138147 R138147
L125248-3 WT 5:00 BEFORE Sample Date: 13-AUG-03 Matrix: WATER BTEX, TVH and TEH TEH (C11-C30) BTEX and TVH (C5-C10) Benzene Toluene Ethylbenzene Xylenes Total Volatiles TEH-GC/FID Chromatogram	3000 0.37 5.4 1.3 6.9 44 See Attached Chrom		0.05 0.0005 0.0005 0.0005 0.0005 0.1	mg/L mg/L mg/L mg/L mg/L mg/L	15-AUG-03 15-AUG-03 15-AUG-03	15-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03	CTL IAG IAG IAG IAG IAG	R138186 R138147 R138147 R138147 R138147 R138147
L125248-4 WT 5:00 AFTER Sample Date: 13-AUG-03 Matrix: WATER BTEX, TVH and TEH TEH (C11-C30) BTEX and TVH (C5-C10)	<0.05		0.05	mg/L	15-AUG-03	15-AUG-03	CTL	R138186

ENVIRO-TEST ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	By	Batch
L125248-4 WT 5:00 AFTER Sample Date: 13-AUG-03 Matrix: WATER BTEX, TVH and TEH BTEX and TVH (C5-C10) Benzene Toluene Ethylbenzene Xylenes Total Volatiles	 0.0010 0.0009 <0.0005 <0.0005 <0.1		 0.0005 0.0005 0.0005 0.0005 0.1	 mg/L mg/L mg/L mg/L mg/L	 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03 15-AUG-03	 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03 16-AUG-03	 IAG IAG IAG IAG IAG	 R138147 R138147 R138147 R138147 R138147
Refer to Referenced Information for Qualifiers (if any) and Methodology.								

Reference Information

Methods Listed (if applicable):

ETL Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
BTX,TVH-ED	Water	BTEX and TVH (C5-C10)	EPA 5030	EPA 5030/8015&8260-P&T GC-MS & FID
TVH includes BTEX contribution.				
TEH-ED	Water	TEH (C11-C30)		EPA 3510/8000-GC-FID
TEH-ED	Product	TEH (C11-C30)		EPA 3580/8000-GC-FID

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

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	Laboratory Definition Code	Laboratory Location
ED	Enviro-Test Laboratories - Edmonton, Alberta, Canada		

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. The Laboratory warning units are determined under column heading D.L.

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

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

< - Less than

D.L. - Detection 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.

UNLESS OTHERWISE STATED, SAMPLES ARE NOT CORRECTED FOR CLIENT FIELD BLANKS.

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

Enviro-Test Laboratories 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, Enviro-Test Laboratories assumes no liability for the use or interpretation of the results.