Methods Listed (if applicable):

ETL Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
BTX,F1-ED	Water	BTEX and F1 (C6-C10)	EPA 5030	EPA 5030/8015&8260-P&T GC-MS & FID
F2-ED	Water	F2 (>C10-C16)		EPA 3510/8000-GC-FID
			** Laboratory Methods employed follow in- generally based on nationally or internation	
Chain of Custody number	ers:			
The last two letters of th	e above tes	t code(s) indicate the laboratory	that performed analytical analysis for that tes	st. Refer to the list below;
Laboratory Definition Co	de La	poratory Location	Laboratory Definition Code	Laboratory Location
ED		viro-Test Laboratories - Edmonto erta, Canada	n,	

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

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



DI	D	FI	IIN	/11	NIA	DV	RES	111	TC
-	~		_ 11	VIII	NH	Y M	KE3	ш	-13

EBA ENG CONSULTANTS LTD

ATTN: STEVE TAYLOR

14940 123 AVE NORTH BLDG EDMONTON AB T5V 1B4

DATE: 10-JUL-04 04:55 PM

Lab Work Order #: L184450 Sampled By: CLIENT

Date Received: 02-JUL-04

Project P.O. #:

Project Reference: MIRAMAR

Comments:

DOUG JOHNSON

Director of Operations, Edmonton

KAREN HUEBNER Client Service Specialist

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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)

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	Ву	Batch
L184450-1 LAKE INLET								
Sample Date: 30-JUN-04								
Matrix: WATER								
BTEX, F1 (C6-C10) and F2 (>C10-C16)							000000000	
F2 (>C10-C16)	<0.05		0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10) Benzene	-0.0005				00 1111 04	40 1111 04		
Toluene	<0.0005		0.0005	mg/L		10-JUL-04	IAG	R198428
EthylBenzene	<0.0005 <0.0005		0.0005	mg/L		10-JUL-04 10-JUL-04	IAG	R198428
Xylenes	<0.0005		0.0005	mg/L mg/L		10-JUL-04	IAG	R198428 R198428
F1(C6-C10)	<0.1		0.0003	mg/L		10-JUL-04	IAG	R198428
F1-BTEX	<0.1		0.1	mg/L		10-JUL-04	IAG	R198428
L184450-2 LAKE OUTLET								
Sample Date: 30-JUN-04								
Matrix: WATER								
BTEX, F1 (C6-C10) and F2 (>C10-C16)								
F2 (>C10-C16)	< 0.05		0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10)			0.50				ZIVIO	
Benzene	<0.0005		0.0005	mg/L	09-JUL-04	10-JUL-04	IAG	R198428
Toluene	< 0.0005		0.0005	mg/L		10-JUL-04	IAG	R198428
EthylBenzene	< 0.0005		0.0005	mg/L	09-JUL-04	10-JUL-04	IAG	R198428
Xylenes	0.0005		0.0005	mg/L	09-JUL-04	10-JUL-04	IAG	R198428
F1(C6-C10)	<0.1		0.1	mg/L		10-JUL-04	IAG	R198428
F1-BTEX	<0.1		0.1	mg/L	09-JUL-04	10-JUL-04	IAG	R198428

Methods Listed (if applicable):

ETL Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
BTX,F1-ED	Water	BTEX and F1 (C6-C10)	EPA 5030	EPA 5030/8015&8260-P&T GC-MS & FID
F2-ED	Water	F2 (>C10-C16)		EPA 3510/8000-GC-FID
			** Laboratory Methods employed follow in- generally based on nationally or internation	
Chain of Custody number	rs:			
The last two letters of the	above tes	t code(s) indicate the laborator	y that performed analytical analysis for that tes	st. Refer to the list below:
Laboratory Definition Cod	e Lab	oratory Location	Laboratory Definition Code	Laboratory Location
ED		iro-Test Laboratories - Edmonterta, Canada	ion,	

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< - Less than

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PRELIMINARY RESULTS

EBA ENG CONSULTANTS LTD ATTN: STEVE TAYLOR 14940 123 AVE NORTH BLDG EDMONTON AB T5V 1B4

DATE: 13-JUL-04 10:51 AM

Lab Work Order #: L184448

Sampled By: CLIENT Date Received: 02-JUL-04

Project P.O. #:

Project Reference: MIRAMAR

Comments:

DOUG JOHNSON

Director of Operations, Edmonton

KAREN HUEBNER Client Service Specialist

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 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)

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	Ву	Batch
L184448-1 2 PM BEFORE								
Sample Date: 23-JUN-04			1					
Matrix: WATER								
BTEX, F1 (C6-C10) and F2 (>C10-C16)		1 1						
F2 (>C10-C16)	0.80		0.05	mg/L	07-JUL-04	07 1111 -04	AMB	R197809
12 (2010-010)	0.00		0.05	mg/L	07-JUL-04	07-JUL-04	AMB	K197809
_184448-2 2 PM AFTER								
Sample Date: 23-JUN-04								
Matrix: WATER								
BTEX, F1 (C6-C10) and F2 (>C10-C16)								
F2 (>C10-C16)	<0.05		0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10)			270/035		Loss discountries		345555	1.3.7.9.1.3.3.3
Benzene	< 0.0005	0	0.0005	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
Toluene	<0.0005	0	0.0005	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
EthylBenzene	< 0.0005	C	0.0005	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
Xylenes	< 0.0005	C	0.0005	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
F1(C6-C10)	<0.1		0.1	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
F1-BTEX	<0.1		0.1	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
L184448-3 1 PM AFTER								
Sample Date: 24-JUN-04								
SEASON STANDS CONTRACTOR SEASON CONTRACTOR SEASON S								
Matrix: WATER BTEX, F1 (C6-C10) and F2 (>C10-C16)								
	0.00		0.05		07 1111 04	07 1111 04		
F2 (>C10-C16)	0.06		0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10) Benzene	<0.0005		0005	ma/I	10 11 11 04	11-JUL-04	COM	D400700
Toluene	<0.0005		0.0005	mg/L		11-JUL-04	SCM	R198786
EthylBenzene	<0.0005	1.3	0.0005	mg/L		11-JUL-04		R198786
Xylenes	<0.0005	10	0.0005	mg/L mg/L		11-JUL-04	SCM	R198786
F1(C6-C10)	<0.1		0.1	mg/L	10-JUL-04		SCM	R198786
F1-BTEX	<0.1		0.1	mg/L		11-JUL-04	SCM	R198786
L184448-4 1 PM BEFORE Sample Date: 24-JUN-04								
			1					
Matrix: WATER BTEX, F1 (C6-C10) and F2 (>C10-C16)								
F2 (>C10-C16)	4.5		0.05		07 1111 04	07 1111 04	AMD	D407000
	4.6		0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10) Benzene	<0.0005	0	0.0005	mg/L	10- 11 11 -04	11-JUL-04	SCM	R198786
Toluene	<0.0005		0.0005	mg/L		11-JUL-04	SCM	R198786
EthylBenzene	<0.0005		0.0005	mg/L		11-JUL-04	SCM	R198786
Xylenes	<0.0005		0.0005	mg/L		11-JUL-04	SCM	R198786
F1(C6-C10)	<0.1		0.1	mg/L		11-JUL-04	SCM	R198786
F1-BTEX	<0.1		0.1	mg/L		11-JUL-04	SCM	R198786
L184448-5 11 AM BEFORE								
Sample Date: 25-JUN-04								
Matrix: WATER								
BTEX, F1 (C6-C10) and F2 (>C10-C16)							11 (21 (21 (21 (21 (21 (21 (21 (21 (21 (
F2 (>C10-C16)	2.0		0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10)				22	40 1111 51	44 1121 61	0.00	B. (C.)
Benzene	<0.0005		0.0005	mg/L		11-JUL-04	SCM	R198786
Toluene	<0.0005	0	0.0005	mg/L	10-JUL-04	11-JUL-04	SCM	R198786

	Result	Qualifier D.L.	Units	Extracted	Analyzed	Ву	Batch
L184448-5 11 AM BEFORE							
Sample Date: 25-JUN-04							
Matrix: WATER							
BTEX, F1 (C6-C10) and F2 (>C10-C16)							
BTEX and F1 (C6-C10)							
EthylBenzene	< 0.0005	0.000	5 mg/L	10-JUL-04	11-JUL-04	SCM	R198786
Xylenes	0.0013	0.000	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
F1(C6-C10)	<0.1	0.1	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
F1-BTEX	<0.1	0.1	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
L184448-6 11 AM AFTER							
Sample Date: 25-JUN-04							
Matrix: WATER							
BTEX, F1 (C6-C10) and F2 (>C10-C16)							
F2 (>C10-C16)	0.06	0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10)							
Benzene	<0.0005	0.000	3		11-JUL-04	SCM	R198786
Toluene	<0.0005	0.000			11-JUL-04	SCM	R198786
EthylBenzene	<0.0005	0.000			11-JUL-04	SCM	R198786
Xylenes	<0.0005	0.000			11-JUL-04	SCM	R198786
F1(C6-C10)	<0.1	0.1	mg/L		11-JUL-04	SCM	R198786
F1-BTEX	<0.1	0.1	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
.184448-7 11 AM BEFORE							
Sample Date: 27-JUN-04							
Matrix: WATER							
BTEX, F1 (C6-C10) and F2 (>C10-C16)							
F2 (>C10-C16)	0.98	0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10)					200000000000000000000000000000000000000	17723-4-6-631	200000000000000000000000000000000000000
Benzene	<0.0005	0.000	5 mg/L	10-JUL-04	11-JUL-04	SCM	R198786
Toluene	<0.0005	0.000			11-JUL-04	SCM	R198786
EthylBenzene	<0.0005	0.000			11-JUL-04	SCM	R198786
Xylenes	0.0017	0.000			11-JUL-04	SCM	
F1(C6-C10)	<0.1	0.1	mg/L	A1494.14.14.14.1	11-JUL-04	SCM	R198786
F1-BTEX	<0.1	0.1	mg/L	10-JUL-04	11-JUL-04	SCM	R198786
.184448-8 11 AM AFTER							
Sample Date: 27-JUN-04						ļ	
Matrix: WATER							
BTEX, F1 (C6-C10) and F2 (>C10-C16)							
F2 (>C10-C16)	<0.05	0.05	mg/L	07-JUL-04	07-JUL-04	AMB	R197809
BTEX and F1 (C6-C10)					Kor rease senso	600.05000	
Benzene	<0.0005	0.000			11-JUL-04	SCM	R198786
Toluene	<0.0005	0.000			11-JUL-04	SCM	R198786
EthylBenzene	<0.0005	0.000			11-JUL-04	SCM	
Xylenes	<0.0005	0.000			11-JUL-04	SCM	100
F1(C6-C10) F1-BTEX	<0.1 <0.1	0.1	mg/L mg/L		11-JUL-04 11-JUL-04	SCM SCM	R198786
Refer to Referenced Information for 0	Qualifiers (if any) and N	Methodology.					

Methods Listed (i	f applicable)	:		
ETL Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On
BTX,F1-ED	Water	BTEX and F1 (C6-C10)	EPA 5030	EPA 5030/8015&8260-P&T GC-MS & FID
F2-ED	Water	F2 (>C10-C16)		EPA 3510/8000-GC-FID
			** Laboratory Methods employed follow generally based on nationally or interna	
Chain of Custody	numbers:			
The last two letter	rs of the abov	ve test code(s) indicate the labor	atory that performed analytical analysis for the	at test. Refer to the list below:
Laboratory Defini	tion Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
ED		Enviro-Test Laboratories - Edmo	onton	

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Alberta, Canada

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PRELIMINARY RESULTS

EBA ENG CONSULTANTS LTD

ATTN: STEVE TAYLOR

14940 123 AVE NORTH BLDG EDMONTON AB T5V 1B4

DATE: 13-JUL-04 10:51 AM

Lab Work Order #: L184445

Sampled By:

CLIENT

Date Received: 02-JUL-04

Project P.O. #:

Project Reference: MIRAMAR 40065.003

Comments:

DOUG JOHNSON

Director of Operations, Edmonton

KAREN HUEBNER Client Service Specialist

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

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	Ву	Batch
L184445-1 TANK AREA								
Sample Date: 25-JUN-04								
Matrix: SOIL			15					
CCME TVHs and TEHs					1			
CCME Total Hydrocarbons F1 (C6-C10)	<5		5	malka		12-JUL-04		
F1-BTEX	<5		5	mg/kg mg/kg		12-JUL-04		
F2 (C10-C16)	100		5	mg/kg		12-JUL-04		
F3 (C16-C34)	160		5	mg/kg		12-JUL-04		
F4 (C34-C50)	33		5	mg/kg		12-JUL-04		
Total Hydrocarbons (C6-C50)	290		5	mg/kg		12-JUL-04		
Chromatogram to baseline at nC50	NO		J	mg/kg		12-JUL-04		
CCME Total Extractable Hydrocarbons Prep/Analysis Dates	NO				08-JUL-04		AML	R19845
CCME BTEX					00-00L-04	03-30L-04	AIVIL	K19045
Benzene	< 0.01		0.01	mg/kg	10-1111-04	12-JUL-04	IAG	R19850
Toluene	<0.01		0.01	mg/kg	10-JUL-04		IAG	R19850
Ethylbenzene	<0.01		0.01	mg/kg	10-JUL-04		IAG	R19850
Xylenes	<0.01		0.01	mg/kg	10-JUL-04		IAG	R19850
Ayleries	~0.01		0.01	mg/kg	10-30L-04	12-301-04	IAG	K 19050.
% Moisture	17		0.1	%		07-JUL-04	DDU	R19754
_184445-2 WORST CASE 2								
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs								
CCME Total Hydrocarbons								
F1 (C6-C10)	37		5	mg/kg		12-JUL-04		
F1-BTEX	37		5	mg/kg		12-JUL-04		
F2 (C10-C16)	190000		5	mg/kg		12-JUL-04		
F3 (C16-C34)	46000		5	mg/kg		12-JUL-04		
F4 (C34-C50)	5300		5	mg/kg		12-JUL-04		
F4G-SG (GHH-Silica)	3400		100	mg/kg		12-JUL-04		
Total Hydrocarbons (C6-C50)	240000		5	mg/kg		12-JUL-04		
Chromatogram to baseline at nC50	NO					12-JUL-04		
CCME Total Extractable Hydrocarbons Prep/Analysis Dates					08-JUL-04	09-JUL-04	AML	R19845
CCME BTEX								
Benzene	0.04		0.01	mg/kg	12.00 (10.00) Helicological	11-JUL-04	IAG	R19884
Toluene	0.10		0.01	mg/kg	10-JUL-04	11-JUL-04	IAG	R19884
Ethylbenzene	0.04		0.01	mg/kg	40000 A 10000 CO 110000	11-JUL-04	IAG	R19884
Xylenes	0.21		0.01	mg/kg	10-JUL-04	11-JUL-04	IAG	R19884
% Moisture	47		0.1	%		07-JUL-04	DDU	R19754
Prep/Analysis Dates	120		20000		12-JUL-04	12-JUL-04	AAT	R198840
L184445-3 C1								
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg		12-JUL-04		
F1-BTEX	<5	/	5	mg/kg		12-JUL-04		
F2 (C10-C16)	22		5	mg/kg		12-JUL-04		
F3 (C16-C34)	13		5	mg/kg		12-JUL-04		
						12-JUL-04		10

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	Ву	Batch
.184445-3 C1								
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs								
CCME Total Hydrocarbons		1 1						
Total Hydrocarbons (C6-C50)	43	4	5	mg/kg		12-JUL-04		
Chromatogram to baseline at nC50	YES		5	mg/kg		12-JUL-04		
CCME Total Extractable Hydrocarbons	TES	1				12-30L-04		
Prep/Analysis Dates					08-JUL-04	00 1111 04	AML	R198458
CCME BTEX			1		00-30L-04	09-30L-04	AIVIL	K19045
Benzene	<0.01		0.01	ma/ka	10 1111 -04	12-JUL-04	IAG	R198503
Toluene	<0.01		110000000000000000000000000000000000000	mg/kg	10-JUL-04		20020	R19850
Ethylbenzene			0.01	mg/kg			IAG	100000000000000000000000000000000000000
A CONTROL OF THE CONT	<0.01		0.01	mg/kg		12-JUL-04	IAG	R198503
Xylenes	<0.01		0.01	mg/kg	10-JUL-04	12-JUL-04	IAG	R198503
% Moisture	16		0.1	%		07-JUL-04	DDU	R197545
.184445-4 C2		-						
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs					1			
CCME Total Hydrocarbons F1 (C6-C10)	<5		5	mg/kg		12-JUL-04		
F1-BTEX			8355	370				
	<5		5	mg/kg		12-JUL-04		
F2 (C10-C16)	<5		5	mg/kg		12-JUL-04		
F3 (C16-C34)	27		5	mg/kg		12-JUL-04		
F4 (C34-C50)	10		5	mg/kg		12-JUL-04		
Total Hydrocarbons (C6-C50)	37		5	mg/kg		12-JUL-04		
Chromatogram to baseline at nC50	YES					12-JUL-04		
CCME Total Extractable Hydrocarbons Prep/Analysis Dates					08-JUL-04	09-1011-04	AML	R198458
CCME BTEX					00 002 01		7 11112	1110040
Benzene	< 0.01		0.01	mg/kg	10-1111-04	12-JUL-04	IAG	R198503
Toluene	<0.01		0.01	mg/kg		12-JUL-04	IAG	R198503
Ethylbenzene	<0.01		0.01	mg/kg		12-JUL-04	IAG	R198503
Xylenes	<0.01		0.01			12-JUL-04	IAG	R19850
Aylenes	20.01		0.01	mg/kg	10-JUL-04	12-JUL-04	IAG	K 19850
% Moisture	16		0.1	%		07-JUL-04	DDU	R197545
_184445-5 C3								
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs								
CCME Total Hydrocarbons						No stores and		
F1 (C6-C10)	<5	1	5	mg/kg		12-JUL-04		
F1-BTEX	<5		5	mg/kg		12-JUL-04		
F2 (C10-C16)	<5		5	mg/kg		12-JUL-04		
F3 (C16-C34)	31		5	mg/kg		12-JUL-04		
F4 (C34-C50)	13		5	mg/kg		12-JUL-04		
Total Hydrocarbons (C6-C50)	44		5	mg/kg		12-JUL-04		
Chromatogram to baseline at nC50	NO			55		12-JUL-04		
CCME Total Extractable Hydrocarbons Prep/Analysis Dates					08-JUI-04	09-JUL-04	AML	R19845
CCME BTEX					00.002.04	50 002 01	ZAIVIL	1,0040
Benzene	< 0.01		0.01	mg/kg	11-JUL-04	12-JUL-04	IAG	R19884
Toluene	<0.01		0.01	mg/kg		12-JUL-04	IAG	R19884
TOTAL	-0.01		0.01	99				

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	Ву	Batch
L184445-5 C3								
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs								
CCME BTEX								
Ethylbenzene	< 0.01		0.01	mg/kg	11-JUL-04	12-JUL-04	IAG	R198848
Xylenes	0.07		0.01	mg/kg	11-JUL-04	12-JUL-04	IAG	R198848
% Moisture	40		0.4	2/		07 1111 04		D. () T. ()
184445-6 C4	18		0.1	%		07-JUL-04	DDU	R197545
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs		1					1	
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg		12-JUL-04		
F1-BTEX	<5		5	mg/kg		12-JUL-04		
F2 (C10-C16)	170		5	mg/kg		12-JUL-04		
F3 (C16-C34)	26		5	mg/kg		12-JUL-04		
F4 (C34-C50)	11		5	mg/kg		12-JUL-04		
Total Hydrocarbons (C6-C50)	210		5	mg/kg		12-JUL-04		
Chromatogram to baseline at nC50	NO					12-JUL-04		
CCME Total Extractable Hydrocarbons Prep/Analysis Dates					08-1111-04	09-JUL-04	AML	R198458
CCME BTEX					00 002 04	00 002 01	AIVIL	11130430
Benzene	< 0.01		0.01	mg/kg	11-JUL-04	12-JUL-04	IAG	R198848
Toluene	<0.01		0.01	mg/kg		12-JUL-04	IAG	R198848
Ethylbenzene	< 0.01		0.01	mg/kg		12-JUL-04	IAG	R198848
Xylenes	<0.01		0.01	mg/kg		12-JUL-04	IAG	R198848
% Moisture	19		0.1	%		07-JUL-04	DDU	R197545
L184445-7 C5								
Sample Date: 25-JUN-04								
Matrix: SOIL								
CCME TVHs and TEHs								
CCME Total Hydrocarbons								
F1 (C6-C10)	26		5	mg/kg		12-JUL-04		
F1-BTEX	25		5	mg/kg		12-JUL-04		
F2 (C10-C16)	140		5	mg/kg		12-JUL-04		
F3 (C16-C34)	28		5	mg/kg		12-JUL-04		
F4 (C34-C50)	10		5	mg/kg		12-JUL-04		
Total Hydrocarbons (C6-C50)	200		5	mg/kg		12-JUL-04		
Chromatogram to baseline at nC50	NO					12-JUL-04		
CCME Total Extractable Hydrocarbons Prep/Analysis Dates					08-JUL-04	09-JUL-04	AML	R198458
CCME BTEX								
Benzene	< 0.01		0.01	mg/kg		12-JUL-04	IAG	R198848
Toluene	0.07		0.01	mg/kg	\$25 PM - 100 PM - 100 PM - 100 PM	12-JUL-04	IAG	R198848
Ethylbenzene	0.10		0.01	mg/kg	THE STATE OF THE PARTY OF THE P	12-JUL-04	IAG	R198848
Xylenes	1,1		0.01	mg/kg	11-JUL-04	12-JUL-04	IAG	R198848
% Moisture	16		0.1	%		07-JUL-04	DDU	R197545
L184445-8 C6								
Sample Date: 25-JUN-04								
Matrix: SOIL	1							

Sample Detail	s/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	Ву	Batch
L184445-8	C6								
Sample Date:	25-JUN-04								
Matrix:	SOIL								
CCME TV	/Hs and TEHs								
CCMET	otal Hydrocarbons								
	F1 (C6-C10)	<5		5	mg/kg		12-JUL-04		
	F1-BTEX	<5		5	mg/kg		12-JUL-04		
	F2 (C10-C16)	<5		5	mg/kg		12-JUL-04		
	F3 (C16-C34)	13		5	mg/kg		12-JUL-04		
	F4 (C34-C50)	5		5	mg/kg		12-JUL-04		
	Total Hydrocarbons (C6-C50)	18		5	mg/kg		12-JUL-04		
CCMET	Chromatogram to baseline at nC50 oral Extractable Hydrocarbons	NO					12-JUL-04		
	Prep/Analysis Dates					08-JUL-04	09-JUL-04	AML	R198458
CCME		-0.04		0.04		44 1111 04	40 1111 04		B. 1000 100
	Benzene Toluene	<0.01		0.01	mg/kg		12-JUL-04	IAG	R198848
	Ethylbenzene	<0.01 <0.01		0.01	mg/kg mg/kg		12-JUL-04 12-JUL-04	IAG	R198848
	Xylenes	<0.01		0.01	mg/kg		12-JUL-04	IAG	R198848
	Aylenes	40.01		0.01	mg/kg	11-30L-04	12-30L-04	IAG	K190040
	% Moisture	18		0.1	%		07-JUL-04	DDU	R197545
_184445-9	BASE COMPOSITE								
Sample Date:				1					
Matrix:	SOIL								
	MUST PSA D50 > 75um	71		1	%		08-JUL-04	NKC	R197800

Methods Listed (if applicable):

ETL Test Code	Matrix	Test Description	Preparation Method Reference(Based On)	Analytical Method Reference(Based On)
ETL-BTX,TVH-CCME-ED	Soil	CCME BTEX	EPA 5030	CCME CWS-PHC Dec-2000 - Pub# 1310
ETL-OGG-CCME-ED	Soil	CCME Gravimetric Heavy Hydrocarbons (Sil		CCME CWS-PHC Dec-2000 - Pub# 1310
ETL-TEH-CCME-ED	Soil	CCME Total Extractable Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310
ETL-TVH,TEH-CCME-ED	Soil	CCME Total Hydrocarbon	s	CCME CWS-PHC Dec-2000 - Pub#

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

- 1. All extraction and analysis holding times were met.
- 2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
- 3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

- 1. All extraction and analysis holding times were met.
- 2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.

3. Instrument perfo	ormance show	ving the C50 response factor within 30 response within 15% throughout the	% of the average of the C10, C16 and	d C34 response factors.	
PREP-MOISTURE-EI	O Soil	% Moisture		Oven dry 105C-Gravimetric	
PSA-MUST-ED	Soil	MUST PSA D50 > 75um		ASTM D422-63-Hydrometer/Sieve	
			** Laboratory Methods employed follow in-house procedures, which are generally based on nationally or internationally accepted methodologies.		
Chain of Custody	numbers:				
The last two letter	s of the above	e test code(s) indicate the laboratory to	hat performed analytical analysis for the	hat test. Refer to the list below:	
Laboratory Definit	ion Code	Laboratory Location	Laboratory Definition Code	Laboratory Location	
ED		Enviro-Test Laboratories - Edmonton, Alberta, Canada			

MIRAMAR 40065.003

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Reference Information

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

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.