October 16, 2009

Project No. 09-1426-0015/9000
Doc. No. 034 Ver. 0

Mr. Mark Balog and Mr. John Witteman
Comaplex Minerals Corporation
Suite 901, 1015 Fourth Street, S.W.
Calgary, Alberta
T2R 1J4

RESULTS OF GEOCHEMICAL ANALYSIS OF PETROLEUM STAINED SOILS AT THE DEDICATED SOILS MANAGEMENT AREA – MELIADINE GOLD PROJECT SITE, 25 KM NORTH OF RANKIN INLET, NUNAVUT

Dear Mr. Balog and Mr. Witteman,

This letter has been prepared at the request of Comaplex Minerals Corporation (CMC), and briefly describes the results of a soil sampling program undertaken by Golder Associates Ltd. on August 7, 2009 at CMC's Meliadine Gold Project site, specifically the Meliadine West project area, located on the west coast of Hudson Bay, 25 km north of Rankin Inlet, Nunavut.

Soil samples were collected from an area utilized by CMC to contain petroleum stained soils as a management and mitigation measure. Petroleum stained soils that may result from contact with petroleum hydrocarbons during the course of regular work activities are excavated and placed on to an impermeable liner, reducing the potential for further migration of the hydrocarbons.

1.0 SOIL MANAGEMENT SITE INFORMATION

The soil management site is located on an existing rock fill pad at the Project site, adjacent to coarse ore stockpiles that were developed as part of the underground exploration and bulk sampling programs. The location of the study area, relative to the general site layout, is shown on Figure 1. A photograph of the management area is shown below in Photograph 1.

Golder Associates Ltd.
500 - 4260 Still Creek Drive, Burnaby, British Columbia, Canada V5C 6C6
Tel: +1 (604) 296 4200 Fax: +1 (604) 298 5253 www.golder.com

Photograph 1: Designated Petroleum Stained Soils Management Area - Meliadine Gold Project Site

The dimensions of the management area were not surveyed for this study; however, the approximate dimensions were estimated during the sampling process as follows:

Table 1: Management Area Approximate Dimensions and Volume

Length (m)	Width (m)	Depth (m)	Approximate Volume (m^3)
25	10	0.2	50

Based on visual estimates, approximately 30 percent of the material in the management area consists of coarse cobble to boulder size material, with the remainder being gravel, sand, and silt as matrix material filling voids between the coarser rock fill.

1.1 Sampling Procedure

Two discrete samples, each made up of four grab samples, were collected at intervals of approximately 4 metres along two parallel lines extending across the management area, and spaced approximately 4 metres apart. One sample was tested, and the second sample retained pending the results of the testing.

1.2 Shipping Procedure

The samples were refrigerated following collection. The samples were then transported to Yellowknife from Rankin Inlet, where again they were refrigerated overnight before being delivered to Aurora Laboratory Services (ALS) of Yellowknife. The samples were re-packaged with ice packs at the Yellowknife ALS laboratory and then shipped to the ALS laboratory in Vancouver for chemical analysis. One of the two samples was then tested.

1.3 Regulatory Criteria

The applicable standards are the Government of Nunavut (GN) Environment Guideline for Site Remediation which is based on the CCME 1991 Interim Criteria, CCME 1997 Recommended Canadian Soil Quality Guidelines and the Environmental Protection Service.

1.4 Analytical Testing

Aurora Laboratory Services (ALS) of Vancouver, B.C. analyzed one of the grab samples for the following parameters:

- Petroleum Hydrocarbons (F-1, F-2, F-3 and F-4); and
- Benzene, toluene, ethylbenzene, and xylenes (BTEX).

The Total Petroleum Hydrocarbon (TPH) value is determined as the sum of the F-2 through F-4 results.

2.0 RESULTS

A summary of the analytical test results is presented in the following table, along with GN site remediation guideline limits.

Table 2: Summary of Analytical Test Results

Analyte	Remediation Guideline Limit	Analytical Result
Benzene	0.5 mg/kg	<0.0050 mg/kg
Toluene	0.8 mg/kg	<0.050 mg/kg
Ethylbenzene	1.2 mg/kg	<0.010 mg/kg
Xylene	1 mg/kg	<0.10 mg/kg
Total Petroleum Hydrocarbons (TPH)	500 mg/kg	~285 mg/kg

The test results of the analyte concentrations in the sample collected from the petroleum stained soils management area at the Meliadine Project site are below the remediation guideline limits set out in GN Environment Guideline for Site Remediation for residential/parkland. The F1-Total BTEX was less than 10 mg/kg.

The results are contained in Attachment 1.

3.0 LABORATORY QA/QC

The accuracy of the test results was acceptable based on laboratory spike recoveries and comparisons to National Research Council of Canada Certified Reference Materials.

4.0 LIMITATIONS AND USE OF REPORT

The information presented herein was prepared for Comaplex Minerals Corporation. The objective of the sampling and analysis conducted on the soils described above is to ensure, to the greatest extent reasonable, that petroleum hydrocarbon affected soils managed at the current soil management area at the Meliadine Project site meet the applicable Territorial Standards.

5.0 CLOSURE

We trust this information is sufficient for your requirements at this time. Should you have any questions or concerns, please contact the undersigned.

Yours very truly,

GOLDER ASSOCIATES LTD.

ORIGINAL SIGNED

Cameron Clayton, M.Eng., P.Geo.
Project Manager

ORIGINAL SIGNED

Gary Hamilton, B.Sc.
Principal

ORIGINAL SIGNED

John A. Hull, P.Eng.
Principal

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 049 ORIGINAL SIGNED
GOLDER ASSOCIATES LTD.

CJC/GH/JAH/rs/mrb

Attachments: Figure 1: Location of Petroleum Stained Soils Management Area
Laboratory Results

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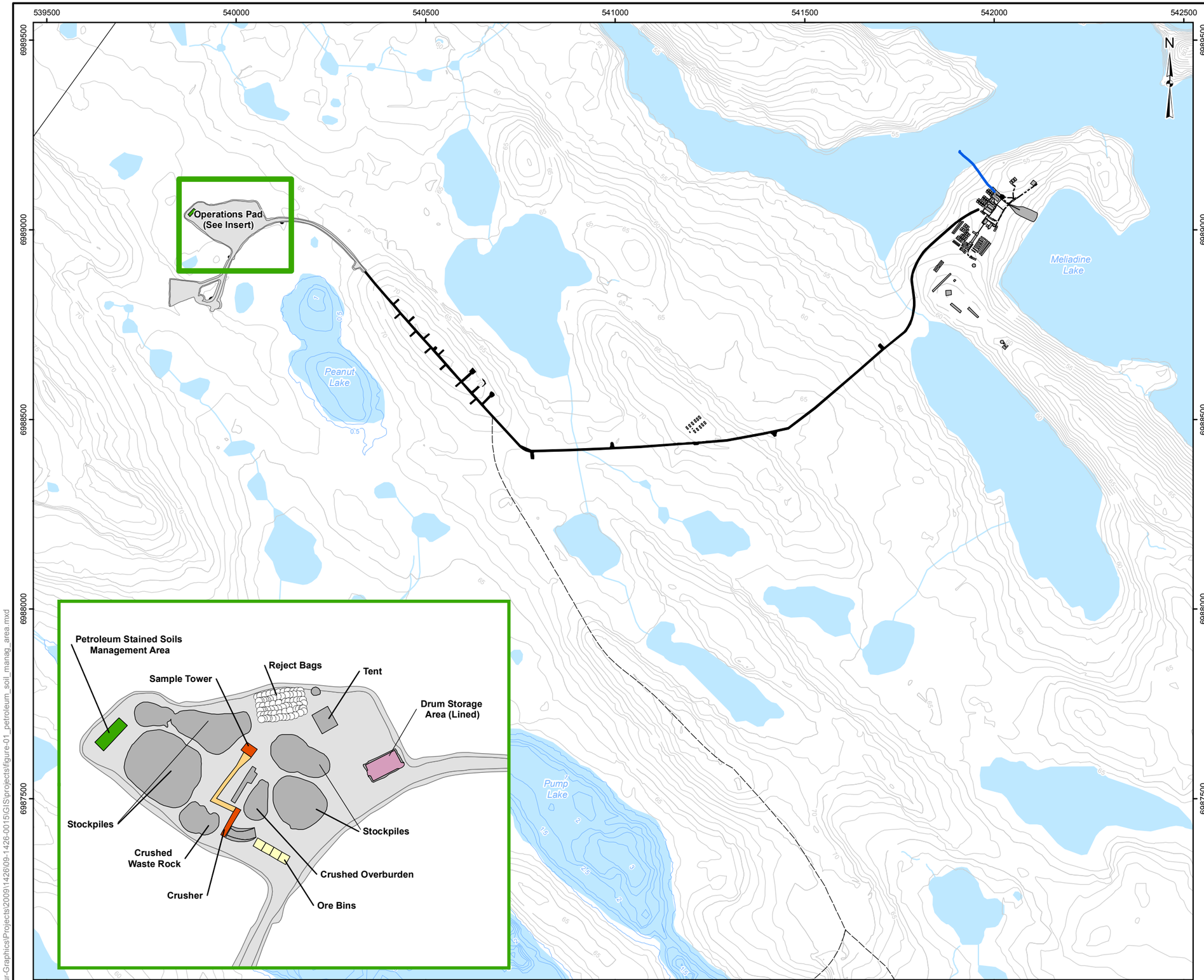


LEGEND

- Bathymetric Contour (0.5 m interval below lake surface)
- Topographic Contour (1.0 m Interval above sea level)
- Watercourse
- As Built Road (April 2007)
- Landfarm
- Project Feature
- Waterbody

REFERENCE

Base data obtained from Comaplex Minerals Corporation
Projection: UTM Zone 15 Datum: NAD 83

200 0 200
SCALE 1:10,000 METRES

PROJECT
COMAPLEX MINERALS CORP
COMAPLEX MINERALS CORPORATION
MELIADINE GOLD PROJECT
NUNAVUT

TITLE
LOCATION OF PETROLEUM STAINED SOILS MANAGEMENT AREA

Golder Associates
Greater Vancouver Office, B.C.

PROJECT No. 09-1426-0015			PHASE No. 9000	
DESIGN	CJC	21AUG09	SCALE AS SHOWN	REV.
GIS	JW	09SEP09		
CHECK	CJC	10SEP09		
REVIEW				

FIGURE 1

N:\Bur-Graphics\Projects\2009\1426\09-1426-0015\GIS\projects\figure-01_petroleum_soil_manag_area.mxd

ATTACHMENT 1

LABORATORY RESULTS

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

Certificate of Analysis

GOLDER ASSOCIATES LTD.
ATTN: Cam Clayton
500 - 4260 STILL CREEK DRIVE
BURNABY BC V5C 6C6

Report Date: 19-AUG-09 17:49 (MT)
Version: FINAL

Lab Work Order #: L802785 **Date Received:** 08-AUG-09

Project P.O. #: 09-1426-015/9000
Job Reference: 09-1426-0015
Legal Site Desc: LAND FARM AREA AT MELIADINE SITE
CofC Numbers:

Other Information:

Comments:

Amber Springer
Account Manager

ALS LABORATORY GROUP ANALYTICAL REPORT

	Sample ID	L802785-1				
	Description	SOIL				
	Sampled Date	08-AUG-09				
	Sampled Time					
	Client ID	SOIL LINE MELIADINE LAND FARM SITE				
Grouping	**Analyte**					
SOIL						
Physical Tests	% Moisture (%)	14.5				
Volatile Organic Compounds	Benzene (mg/kg)	<0.0050				
	Ethylbenzene (mg/kg)	<0.010				
	Methyl t-butyl ether (MTBE) (mg/kg)	<0.20				
	Styrene (mg/kg)	<0.050				
	Toluene (mg/kg)	<0.050				
	ortho-Xylene (mg/kg)	<0.050				
	meta- & para-Xylene (mg/kg)	<0.050				
	Xylenes (mg/kg)	<0.10				
	Surrogate: 4-Bromofluorobenzene (SS) (%)	108				
	Surrogate: Fluorobenzene (SS) (%)	90				
Hydrocarbons	F1 (C6-C10) (mg/kg)	<10				
	F1-BTEX (mg/kg)	<10				
	F2 (C10-C16) (mg/kg)	76				
	F3 (C16-C34) (mg/kg)	209				
	F4 (C34-C50) (mg/kg)	<50				
	F4G-SG (mg/kg)	<500				
	Chrom. to baseline at nC50	NO				
	Surrogate: 2,4-Dichlorotoluene (SS) (%)	87				

Reference Information

Additional Comments for Sample Listed:

Samplenum	Matrix	Report Remarks	Sample Comments

Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Analytical Method Reference(Based On)
F1-BTX-CALC-VA	Soil	F1-Total BTX	CCME CWS PHC TIER 1 (2001)

This analysis is carried out in accordance with 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) and F1-BTEX, a subsample of the sediment/soil is extracted with methanol and analysed by purge & trap GC/FID. The F1-BTEX result is then calculated as follows:

F1-BTEX: F1 (C6-C10) minus benzene, toluene, ethylbenzene and xylenes (BTEX).

F1-MET-PT-FID-VA	Soil	CCME by Purge and Trap with GCMS	EPA 8260B & 524.2

This analysis is carried out in accordance with 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), a subsample of the sediment/soil is extracted with methanol and analysed by purge & trap GC/FID.

Notes:
1. F1 (C6-C10): Sum of all hydrocarbons that elute between nC6 and nC10.
2. Reported results are expressed as milligrams per dry kilogram.
3. This method is validated for use.
4. Data from analysis of quality control samples is available upon request.

F2F4-TUMB-H/A-FID-VA	Soil	Petroleum Hydrocarbon by Tumbler GCFID	CCME PETROLEUM HYDROCARBONS

This analysis is carried out in accordance with 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 C10 to C50 hydrocarbons (F2, F3, F4) and gravimetric heavy hydrocarbons (F4G-sg), a subsample of the sediment/soil is extracted with 1:1 hexane:acetone using a rotary extractor. The extract undergoes a silica-gel clean-up to remove polar compounds. F2, F3 & F4 are analyzed by on-column GC/FID, and F4G-sg is analyzed gravimetrically.

Notes:
1. F2 (C10-C16): Sum of all hydrocarbons that elute between nC10 and nC16.
2. F3 (C16-C34): Sum of all hydrocarbons that elute between nC16 and nC34.
3. F4 (C34-C50): Sum of all hydrocarbons that elute between nC34 and nC50.
4. F4G: Gravimetric Heavy Hydrocarbons
5. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
6. Where F4 (C34-C50) and F4G-sg results are reported for a sample, the larger of the reported values is used for comparison against the relevant CCME standard for F4.
7. The gravimetric heavy hydrocarbon results (F4G-sg), cannot be added to the C6 to C50 hydrocarbon results.
8. This method is validated for use.
9. Data from analysis of quality control samples is available upon request.
10. Reported results are expressed as milligrams per dry kilogram.

MOISTURE-VA	Soil	Moisture content	ASTM METHOD D2974-00

This analysis is carried out gravimetrically by drying the sample at 105 C for a minimum of six hours.

OGG-F4G-TUMB-SG-VA	Soil	CWS F4G with Silica Gel	CCME PETROLEUM HYDROCARBONS-GRAVIMETRIC

This analysis is carried out in accordance with 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 gravimetric heavy hydrocarbons (F4G-sg), a subsample of the sediment/soil is extracted with 1:1 hexane:acetone using a rotary extractor. The extract undergoes a silica-gel clean-up to remove polar compounds prior to gravimetric analysis.

Notes:
1. F4G-sg: Gravimetric Heavy Hydrocarbons (F4G) after silica gel treatment.
3. Where F4 (C34-C50) and F4G-sg results are reported for a sample, the larger of the reported values is used for comparison against the relevant CCME standard for F4.
4. The gravimetric heavy hydrocarbon (F4G-sg) result cannot be added to the C6 to C50 hydrocarbons results.
5. This method is validated for use.
6. Data from analysis of quality control samples is available upon request.
7. Reported results are expressed as milligrams per dry kilogram.

VOC7-MET-PT-MS-VA	Soil	BTEX by MeOH with Purge and Trap GCMS	EPA 8260B & 524.2

Reference Information

Methods Listed (if applicable):

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

Volatile Organic Compounds (VOC) are extracted from sediment or soil with methanol, following a procedure from the British Columbia Ministry of Water Land and Air Protection (BCWLAP) Analytical Method for Contaminated Sites "Volatile Hydrocarbons in Solids by GC/FID" (Version 2.1 July 1999). Aliquots of the extract are analyzed by Purge and Trap by gas chromatography with mass spectrometric detection (GC/MS), using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 8260B, published by the United States Environmental Protection Agency (EPA). Surrogate recoveries may not be reported in cases where interferences from the sample matrix prevent accurate quantitation. Where required to achieve lower detection limits for select regulations, additional analysis using headspace-GCMS may be employed.

VOC7/VOC-SURR-MS-VA	Soil	VOC7 and/or VOC Surrogates for Soils	EPA METHODS 8260B & 524.2
XYLENES-CALC-VA	Soil	Sum of Xylene Isomer Concentrations	EPA 8260B & 524.2

Calculation of Total Xylenes

Total Xylenes is the sum of the concentrations of the ortho, meta, and para Xylene isomers. Results below detection limit (DL) are treated as zero. The DL for Total Xylenes is set to a value no less than the square root of the sum of the squares of the DLs of the individual Xylenes.

** 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		

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 enviromental 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 Quality Control Report

Workorder: L802785 Report Date: 08-SEP-09

Client: GOLDER ASSOCIATES LTD.
500 - 4260 STILL CREEK DRIVE
BURNABY BC V5C 6C6
Contact: Cam Clayton

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
F1-MET-PT-FID-VA	**Soil**							
Batch R912869								
WG986961-2 LCS								
F1 (C6-C10)			102		%		55-145	19-AUG-09
WG986961-1 MB								
F1 (C6-C10)			<10		mg/kg		10	19-AUG-09
F2F4-TUMB-H/A-FID-VA	**Soil**							
Batch R912950								
WG987941-3 IRM		**ALS PHC1 RM**						
F2 (C10-C16)			109		%		70-130	19-AUG-09
F3 (C16-C34)			106		%		70-130	19-AUG-09
F4 (C34-C50)			101		%		70-130	19-AUG-09
WG987941-2 LCS								
F2 (C10-C16)			113		%		80-120	19-AUG-09
F3 (C16-C34)			107		%		80-120	19-AUG-09
F4 (C34-C50)			110		%		80-120	19-AUG-09
WG987941-1 MB								
F2 (C10-C16)			<30		mg/kg		30	19-AUG-09
F3 (C16-C34)			<50		mg/kg		50	19-AUG-09
F4 (C34-C50)			<50		mg/kg		50	19-AUG-09
OGG-F4G-TUMB-SG-VA	**Soil**							
Batch R912079								
WG987941-3 IRM		**ALS PHC1 RM**						
F4G-SG			99		%		60-140	19-AUG-09
WG987941-1 MB								
F4G-SG			<500		mg/kg		500	19-AUG-09

ALS Laboratory Group Quality Control Report

Legend:

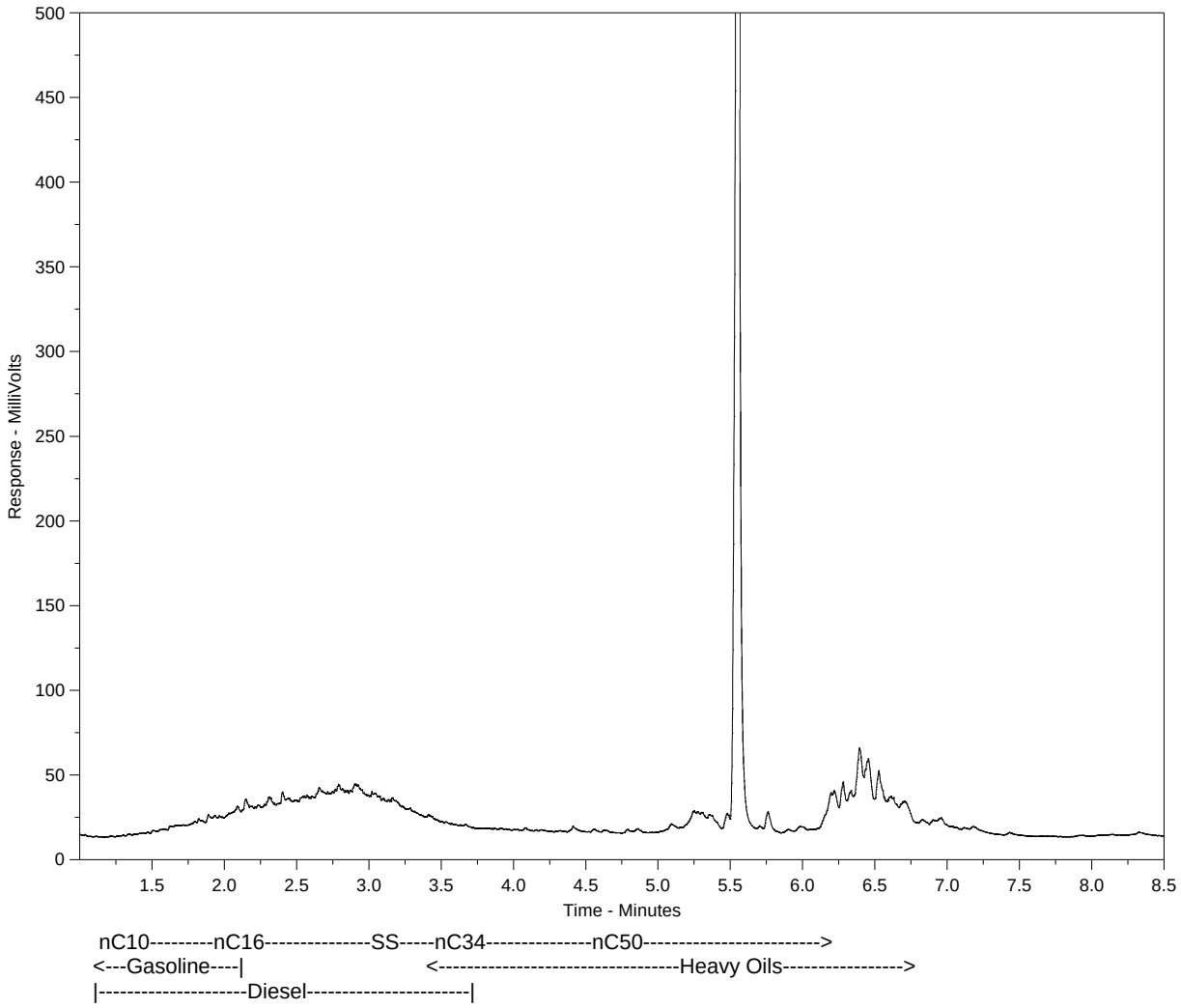
Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

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

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

Hydrocarbon Distribution Report

ALS Sample ID: **L802785-C-1**



The Canada Wide Standard Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and of four n-alkane hydrocarbon marker compounds. Comparison of this report with those of reference standards may also assist in characterizing hydrocarbons present in the sample.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor, and the scale at left.

Note: This chromatogram was produced with a high temperature GC method that is specific to the Canada-Wide Standard method (December 2007 version). Note that retention times and distribution profiles from reports produced using different GC programs will differ.
Note: SS = hexatriacontane (nC28) Surrogate Standard

L802785

ALS Environmental Logo w Corporate Name & Word

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

COC # _____

Page 1 of ___

Report to:	**Cameron Clayton**	**Report Format / Distribution**		**Service Requested:**	
Company:	Golder Associates Ltd	☑ Standard ☐ Other		☑	Regular Service (Default)
Contact:	Cameron Clayton	☑ PDF ☐ Excel ☐ Fax		☐	Rush Service (2-3 Days)
Address:	500-4260 Still Creek Drive	Email 1:	cclayton@golder.com	☐	Priority Service (1 Day or ASAP)
		Email 2:	mbalog@comaplex.com	☐	Emergency Service (<1 Day / Wkend) - Contact ALS
Phone:	604-296-4293 Fax: 604-298-5253			**Analysis Request**	
Invoice To:	☐ Same as Report		Indicate Bottles: Filtered / Preserved (F/P) →		
Company:	Comaplex Minerals Ltd	**Client / Project Information:**	**Meliadine Project Nunavut**		
Contact:	Mr. Mark Balog	Job #:	09-1426-0015		
Address:	Suite 901, 1015 Fourth Street S.W.	PO/AFE:	09-1426-0015/9000		
Sample		Legal Site Description:	Land Farm area at Meliadine Site		
Phone:	403-750-2560 Fax: 403-232-1421	Quote #:			
Lab Work Order # (lab use only)	L802785	**ALS Contact:**	Sean Whitaker Bryan Mark Amber Springer	**Sampler** (Initials):	

Sample #	Sample Identification (This description will appear on the report)	Date dd-mmm-yy	Time hh:mm	Sample Type (Select from drop-down list)	Soil BTEX	Soil THE	Soil TH	Hazardous?	Highly Contaminated?	Number of Containers
1	Soil Line 1 Meliadine Land Farm site			Soil	X	X	X			
2	Soil Line 2 Meliadine Land Farm site			Soil	X	X	X			

Guidelines / Regulations	**Special Instructions / Hazardous Details**
Time sensitive materials.	1. Ship to Yellowknife to: ALS Laboratories | 75 Con Road | Yellowknife, NT | X1A 2M1 | Phone: 867-873-5593 | Attention: Sean Whitaker (sean.whitaker@alsenviro.com)
	2. Receive in Yellowknife, repackage with ice packs, forward to: ALS Laboratories | 1988 Triumph Street | Vancouver, BC Canada, V5L 1K5 | Phone: (604) 253-4188 Attention: Amber Springer/Bryan Mark

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the adjacent worksheet.

								Sample Condition (lab use only)	
Relinquished By:		Date & Time:		Received By:		Date & Time:	Aug 8-09	Temperature	Samples Received in Good Condition? Y / N (if no provided details)
Relinquished By:		Date & Time:		Received By:		Date & Time:			