

December 10, 2007

Fire Chief David Enfield  
Salt Spring Island Fire District  
105 Lower Ganges Road  
Salt Spring Island BC V8K 2T1  
By email to: drycleaners@telus.net

Dear Mr. Enfield:

**Re: Analysis of Soil Samples for Contamination  
Fire Hall #2  
2470 Fulford-Ganges Road, Salt Spring Island**

In the spring of 2007 Madrone Environmental Services Ltd. (Madrone) conducted a Stage 1 Preliminary Site Investigation of the property at 2470 Fulford-Ganges Road (Lot 1, Plan 10051, Section 10, Range 1, Cowichan Land District, Portion South Salt Spring Island), and submitted a report to the Salt Spring Island Fire Department<sup>1</sup>. That investigation identified an area on the property where leaked waste oil from a drum, and possible leaks from vehicles used during past practices may have entered the soils on the property. We recommended that soil samples be collected and analysed to determine if there was indeed contamination.

Madrone was subsequently retained by the Salt Spring Fire District (SSIFD) to collect soil samples, have them analysed, and report on the results. Wanda Miller of Madrone visited the site on October 23, 2007 and collected samples at four shallow soil pits. The locations of the pits are shown on Figure 1. Ms. Miller collected one sample from each pit, and sent the samples to the Bodycote Testing Group (Bodycote) laboratory in Surrey BC. We were also asked to comment on the potential for future contamination arising from fire fighting practices conducted on the site using fire fighting foams and from the use of propane to fuel practice fires in stripped automobiles on the property. This letter summarizes our observations and findings.

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<sup>1</sup> MILLER, W. (JUNE 2007). *Preliminary Site Investigation—Stage 1; Fire Hall #2, 2470 Fulford-Ganges Road; Salt Spring Island, BC*. Unpublished report prepared by Madrone Environmental Services Ltd. for the Salt Spring Fire Department.

Sample Site 1 is located adjacent to the point where the leaking drum had been positioned where soil staining was obvious. Sample Site 2 was located downslope in the direction of the surface gradient, approximately 10 m from the former location of the drum. Sample Site 3 was located at the edge of the ditchline along the western boundary of the property, approximately 7.3 m from the former location of the drum. Sample Site 4 was located approximately 7.5 m north of the former location of the drum, to detect any contaminants that may have moved toward the ditchline along the northern boundary of the property. The samples were collected at depths of 15 cm to 25 cm (15 cm at Site 1, 25 cm at Site 2, 20 cm at Site 3, and 20 cm at Site 4), immediately above gleyed zones in the soil profile, where water seepage was evident.

All soil samples were collected with a clean stainless steel hand trowel and transferred directly into pre-washed/rinsed soil sample jars supplied by Bodycote. The hand tool was cleaned between each sampling. The samples, accompanied by chain-of-custody documentation, were packed in ice-filled coolers and hand-delivered to Bodycote for analytical testing.

Potential contaminants at the site would originate from the leaking waste oil drum. The soil samples were analysed for Extractable Petroleum Hydrocarbons (EPHs), Volatile Petroleum Hydrocarbons (VPHs) and monoaromatic hydrocarbons (MAHs), which are contaminants associated with oils and gasolines.

None of the samples exhibited MAH or VPH concentrations above the detection limits of the laboratory analysis methods. The sample from Site 4 exhibited EPH<sub>10-19</sub> (light fractions) concentrations of 25 µg/g, just above the detection limits. None of the other samples exhibited detectable EPH<sub>10-19</sub>. All of the samples showed detectable concentrations of EPH<sub>19-32</sub> (heavier fractions). Not surprisingly, the highest concentration – 136 µg/g – was observed in the sample from Site 1, adjacent to the former location of the leaking drum. The results of the EPH<sub>10-19</sub> and EPH<sub>19-32</sub> analyses are summarized in Table 1.

**Table 1. Soil Analysis Result for Extractable Petroleum Hydrocarbons (µg/g)**

Analyte	Sample Site 1	Sample Site 2	Sample Site 3	Sample Site 4
EPH <sub>10-19</sub>	Below detection limit	Below detection limit	Below detection limit	25
EPH <sub>19-32</sub>	136	58	70	72

The provincial government has established numerical standards that can be used to determine whether soils on a site are considered to be contaminated under the Contaminated Sites Regulation. Hydrocarbons are listed under the Generic Numerical Soil Standards (Schedule 4, CSR). The allowable concentrations depend on the probable land use. For Schedule 4, land use categories are Agricultural, Urban Park, Residential, Commercial, and Industrial. Allowable concentrations of EPH<sub>10-19</sub> are 1000 µg/g for the

Agricultural, Urban Park, and Residential categories, and 2000 µg/g for the Commercial and Industrial Categories. Allowable concentrations of EPH<sub>19-32</sub> are 1000 µg/g for the Agricultural, Urban Park, and Residential categories, and 5000 µg/g for the Commercial and Industrial Categories.

## Conclusions

There are detectable concentrations of Extractable Petroleum Hydrocarbons in the soils near the location where waste oil leaked from a drum; however, the concentrations are far below provincial standards for all land uses. No further testing is warranted.

Based on information collected during the Stage 1 Preliminary Site Investigation that Madrone conducted previously, we conclude that there is no significant potential for future soil or groundwater contamination from ongoing fire fighting practices using fire fighting foams (assuming that current practices and material use continue).

I understand that SSIFD currently uses wood or similar material to fuel practice fires in old automobiles from which all other flammable material has been removed. In the future SSIFD plans to use propane instead of wood to fuel these fires. Burning propane and the presence of a propane storage tank on the property do not present significant potential for future contamination. The combustion products of propane consist almost exclusively of carbon dioxide and water vapour. Propane is extremely volatile and would immediately disperse into the atmosphere were there to be a release from the storage tank or associated lines.

## Limitations

*An environmental site investigation can reduce, but not wholly eliminate uncertainty regarding the potential for contamination at a site, given reasonable limits of time and cost. Madrone Environmental Services Ltd. (Madrone) has conducted this investigation and prepared this report in a manner consistent with the level of care normally exercised by environmental professionals currently practicing in the area under similar conditions and budgetary constraints. No other warranties, either expressed or implied, are made. If unexpected environmental conditions are encountered on the site, Madrone must be notified in order that we may determine if modifications to our findings are necessary.*

*The findings of this investigation and report are base in part on information provided to Madrone by the client and other individuals or organizations, as referenced in this report. While Madrone believes that this information was provided in good faith and has attempted to verify the information where*

*practical, Madrone does not accept any responsibility for any inaccuracies, deficiencies, or omissions contained in this report, based on the use of this information.*

*We have made reasonable efforts to collect samples that are representative of conditions in the relevant portions of the site, however, conditions may vary from place to place and with time. Subsurface information and analytical chemical results pertain specifically to the points and dates of sampling. Madrone investigated environmental conditions on the site only with respect to environmental regulations currently in effect within the applicable jurisdiction.*

*Madrone has prepared this report for the exclusive use of its client, Salt Spring Island Fire District. This report is intended to assist the client in a business decision. The liability of the site, if any, is not transferred to Madrone, and Madrone makes no recommendation regarding the purchase, sale, or investment in the property.*

*Any third party use of this report, or reliance placed on it, or decisions taken based on it, is the responsibility of such third parties. Madrone accepts no responsibility for any damages suffered by any other such third party, or any claims made by any other such third party as a result of decisions made or actions taken, based on this report.*

Yours truly,

**MADRONE ENVIRONMENTAL SERVICES LTD.**


*\*This is a digitally signed duplicate of the  
official manually signed and sealed document*

Ken Hughes-Adams, M.Eng, P.Eng.  
Principal





FIGURE 1

	Dossier Number: 07.0112	<p align="center"><b>SALT SPRING FIRE HALL #2</b> Schematic of Soil Sample Locations</p>
	Reviewed:	
Drawn By: KHA	Date: 2007/12/10	Client:  Salt Spring Fire Department



# NORWEST LABS

Percolator 1800 397 3027  
 Acct # 2093265  
 Control Number E 222800  
**Environmental Sample Information Sheet**

NOTE: Proper completion of this form is required in order to proceed with analysis  
 See reverse for your nearest Norwest location and proper sampling protocol

<b>Billing Address:</b>		<b>Copy of Report To:</b>		<b>Copy of invoice:</b> <input type="checkbox"/>	
Company: <b>Madrone Environmental</b>		Company: <b>Same</b>		Mail invoice to this address for approval <input checked="" type="checkbox"/>	
Address: <b>1081 Canada Drive Duncan, B.C., V9L 1V2</b>		Address: <b>Same</b>			
Attention: <b>Wanda Miller</b>		Attention: <b>582600</b>		Report Result: <input type="checkbox"/>	
Phone: <b>(250)746-5545</b>		Phone: <input type="checkbox"/>		Fax: <input type="checkbox"/>	
Fax: <b>(250)746-5850</b>		Fax: <input type="checkbox"/>		Mail: <input type="checkbox"/>	
Cell: <b>wanda.miller@madrone.ca</b>		Cell: <input type="checkbox"/>		Courier: <input type="checkbox"/>	
e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	
QA/QC Report <input type="checkbox"/>		Report Result: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	
Report Result: <input type="checkbox"/>		e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	
Fax: <input type="checkbox"/>		e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	
Mail: <input checked="" type="checkbox"/>		e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	
Courier: <input type="checkbox"/>		e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	
e-mail: <input checked="" type="checkbox"/>		e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	
e-Service: <input type="checkbox"/>		e-mail: <input type="checkbox"/>		e-mail: <input type="checkbox"/>	

<b>Information to be included on Report and Invoice</b>	<b>RUSH</b> Please contact the laboratory to confirm rush dates and times before submitting samples.  Upon filling out this section, client accepts that surcharges will be attached to this analysis Required on: all analyses <input type="checkbox"/> or <input type="checkbox"/> Date Required: _____ Signature: _____ Norwest Authorization: _____	Sample Custody (Please Print): Relinquished by: <i>Wanda Miller</i> Company: <i>Madrone</i> Signature: <i>Wanda Miller</i>
		I authorize Norwest Labs to proceed with the work indicated on this form: Date: <i>FE 7<sup>th</sup></i> Initial: <i>FE</i> Received by: <i>Percolator</i> <input type="checkbox"/> Coopers Waybill # _____ Date: <input type="checkbox"/> Boxes Company: <i>Oct 24/07</i> Time: _____ Samples: _____
Project ID: <i>07-0112</i>		
Project Name: <i>East Spring Fire Hall</i>		
Project Location: <i>#2 Ops I-</i>		
Legal Location: _____		
PO#: _____		
Proj. Acct. Code: _____		
Agreement ID: <i>62064</i>		

**Special Instructions / Comments**  Check here if Norwest is required to report results directly to a regulatory body (Please include contact information)

Sample Identification	Location	Depth IN CM M	Date / Time Sampled	Matrix	Sampling Method	Number of Containers	Enter tests above (✓ relevant samples below)													
							1	2	3	4	5	6	7	8	9	10	11	12	13	14
1 <i>SS1</i>	<i>C</i>	<i>10-20</i>	<i>12:00</i>	<i>L</i>	<i>travel</i>	<i>1</i>	✓													
2 <i>SS2</i>	<i>W</i>	<i>20-30</i>	<i>12:10</i>	<i>L</i>	<i>"</i>	<i>1</i>	✓													
3 <i>SS3</i>	<i>NW</i>	<i>20-30</i>	<i>12:20</i>	<i>L</i>	<i>"</i>	<i>1</i>	✓													
4 <i>SS4</i>	<i>N</i>	<i>25-35</i>	<i>12:30</i>	<i>LS</i>	<i>"</i>	<i>1</i>	✓													
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

NWLO08 (08/03)

Bill To: Madrone Environmental Services Project:		Lot ID: <b>582600</b>
Report To: Madrone Environmental Services ID: 07-0112		Approval Status: Approved
1081 Canada Drive	Name: Salt Spring Fire Hall	Invoice Frequency: by Lot
Duncan, BC, Canada	Location: #2 PSI	COD Status:
V9L 1V2	LSD:	Control Number: E 222800
Attn: Wanda Miller	P.O.:	Date Received: Oct 24, 2007
Sampled By: Wanda Miller	Acct code:	Date Reported: Oct 31, 2007
Company: Madrone		Report Number: 1066231

Contact	Company	Address
Wanda Miller	Madrone Environmental Services Ltd.	1081 Canada Drive Duncan, BC V9L 1V2
		Phone: (250) 746-5545 Fax: (250) 746-5850
		Email: wanda.miller@madrone.ca

	Copies	Delivery	Format
M	1	Post	
	1	Email - Single Report	PDF

\_\_\_\_\_ PAGES IN THIS TRANSMISSION

**Notes To Clients:****Reports associated with this Lot**Id/Format/Report DateId/Format/Report DateId/Format/Report Date

The information contained on this and all other pages transmitted, is intended for the addressee only and is considered confidential. If the reader is not the intended recipient, you are hereby notified that any use, dissemination, distribution or copy of this transmission is strictly prohibited. If you receive this transmission by error, or if this transmission is not satisfactory, please notify us by telephone.

**Sample Custody**

Bill To: Madrone Environmental Services Project:  
 Report To: Madrone Environmental Services ID: 07-0112  
 1081 Canada Drive Name: Salt Spring Fire Hall  
 Duncan, BC, Canada Location: #2 PSI  
 V9L 1V2 LSD:  
 Attn: Wanda Miller P.O.:  
 Sampled By: Wanda Miller Acct code:  
 Company: Madrone

Lot ID: **582600**  
 Control Number: E 222800  
 Date Received: Oct 24, 2007  
 Date Reported: Oct 31, 2007  
 Report Number: 1066231

**Sample Disposal Date: November 30, 2007**

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

Extend Sample Storage Until \_\_\_\_\_ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	\$ 10.00
Storage for 6 to 20 samples per month	\$ 15.00
Storage for 21 to 50 samples per month	\$ 30.00
Storage for 51 to 200 samples per month	\$ 60.00
Storage for more than 200 samples per month	\$ 110.00

Return Sample, collect, to the address below via:

Greyhound

Loomis

Purolator

Other (specify) \_\_\_\_\_

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Signature \_\_\_\_\_

## Analytical Report

Bill To: Madrone Environmental Services Project:  
 Report To: Madrone Environmental Services ID: 07-0112  
 1081 Canada Drive Name: Salt Spring Fire Hall  
 Duncan, BC, Canada Location: #2 PSI  
 V9L 1V2 LSD:  
 Attn: Wanda Miller P.O.:  
 Sampled By: Wanda Miller Acct code:  
 Company: Madrone

Lot ID: **582600**  
 Control Number: E 222800  
 Date Received: Oct 24, 2007  
 Date Reported: Oct 31, 2007  
 Report Number: 1066231

		Reference Number	582600-1	582600-2	582600-3	
		Sample Date	Oct 23, 2007	Oct 23, 2007	Oct 23, 2007	
		Sample Location	C	W	NW	
		Sample Description	SS1 / 10-20cm	SS2 / 20-30cm	SS3 / 20-30cm	
		Matrix	Soil	Soil	Soil	
Analyte		Units	Results	Results	Results	Detection Limit
<b>Mono-Aromatic Hydrocarbons - Soil</b>						
Benzene	Dry Weight	ug/g	<0.02	<0.02	<0.02	0.02
Toluene	Dry Weight	ug/g	<0.05	<0.05	<0.05	0.05
Ethylbenzene	Dry Weight	ug/g	<0.05	<0.05	<0.05	0.05
Total Xylenes (m,p,o)	Dry Weight	ug/g	<0.05	<0.05	<0.05	0.05
Styrene	Dry Weight	ug/g	<0.05	<0.05	<0.05	0.05
Methyl t-Butyl Ether	Dry Weight	ug/g	<0.05	<0.05	<0.05	0.05
<b>Volatile Petroleum Hydrocarbons - Soil</b>						
VHs6-10	Dry Weight	ug/g	<50	<50	<50	50
VPHs (VHs6-10 minus BTEX)	Dry Weight	ug/g	<50	<50	<50	50
<b>Extractable Petroleum Hydrocarbons - Soil</b>						
EPHs10-19	Dry Weight	ug/g	<20	<20	<20	20
EPHs19-32	Dry Weight	ug/g	136	58	70	20
<b>Moisture</b>						
Moisture	Soil % Moisture	%	34.10	22.40	31.00	


**Analytical Report**

Bill To: Madrone Environmental Services Project:  
 Report To: Madrone Environmental Services ID: 07-0112  
 1081 Canada Drive Name: Salt Spring Fire Hall  
 Duncan, BC, Canada Location: #2 PSI  
 V9L 1V2 LSD:  
 Attn: Wanda Miller P.O.:  
 Sampled By: Wanda Miller Acct code:  
 Company: Madrone

Lot ID: **582600**  
 Control Number: E 222800  
 Date Received: Oct 24, 2007  
 Date Reported: Oct 31, 2007  
 Report Number: 1066231

**Reference Number** 582600-4  
**Sample Date** Oct 23, 2007  
**Sample Location** N  
**Sample Description** SS4 / 25-35cm  
**Matrix** Soil

Analyte	Units	Results	Results	Results	Detection Limit
<b>Mono-Aromatic Hydrocarbons - Soil</b>					
Benzene	Dry Weight	ug/g	<0.02		0.02
Toluene	Dry Weight	ug/g	<0.05		0.05
Ethylbenzene	Dry Weight	ug/g	<0.05		0.05
Total Xylenes (m,p,o)	Dry Weight	ug/g	<0.05		0.05
Styrene	Dry Weight	ug/g	<0.05		0.05
Methyl t-Butyl Ether	Dry Weight	ug/g	<0.05		0.05
<b>Volatile Petroleum Hydrocarbons - Soil</b>					
VHs6-10	Dry Weight	ug/g	<50		50
VPHs (VHs6-10 minus BTEX)	Dry Weight	ug/g	<50		50
<b>Extractable Petroleum Hydrocarbons - Soil</b>					
EPHs10-19	Dry Weight	ug/g	25		20
EPHs19-32	Dry Weight	ug/g	72		20
<b>Moisture</b>					
Moisture	Soil % Moisture	%	30.70		

Approved by:   
 Walter Brandl  
 Operations Manager - Surrey

**Methodology and Notes**

Bill To: Madrone Environmental Services Project: Lot ID: **582600**  
Report To: Madrone Environmental Services ID: 07-0112 Control Number: E 222800  
1081 Canada Drive Name: Salt Spring Fire Hall Date Received: Oct 24, 2007  
Duncan, BC, Canada Location: #2 PSI Date Reported: Oct 31, 2007  
V9L 1V2 LSD: Report Number: 1066231  
Attn: Wanda Miller P.O.:  
Sampled By: Wanda Miller Acct code:  
Company: Madrone

**Method of Analysis**

Method Name	Reference	Method	Date Analysis Started	Location
BTEX-VPH - Soil	B.C.M.O.E	* Volatile Hydrocarbons in Waters by GC/FID (Dec. 31, 2000), CSR	25-Oct-07	BTG Surrey
EPH - Soil	B.C.M.O.E	* EPH in Solids by GC/FID (Dec. 31, 2000), EPH in Solids	25-Oct-07	BTG Surrey

\* Bodycote method(s) based on reference method

**References**

B.C.M.O.E B.C. Ministry of Environment

**Comments:**

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.



# Hydrocarbon Chromatogram

#104 - 19575 55A Avenue  
 Surrey, BC V3S 8P8  
 Phone: (604) 514-3322  
 Fax: (604) 514-3323

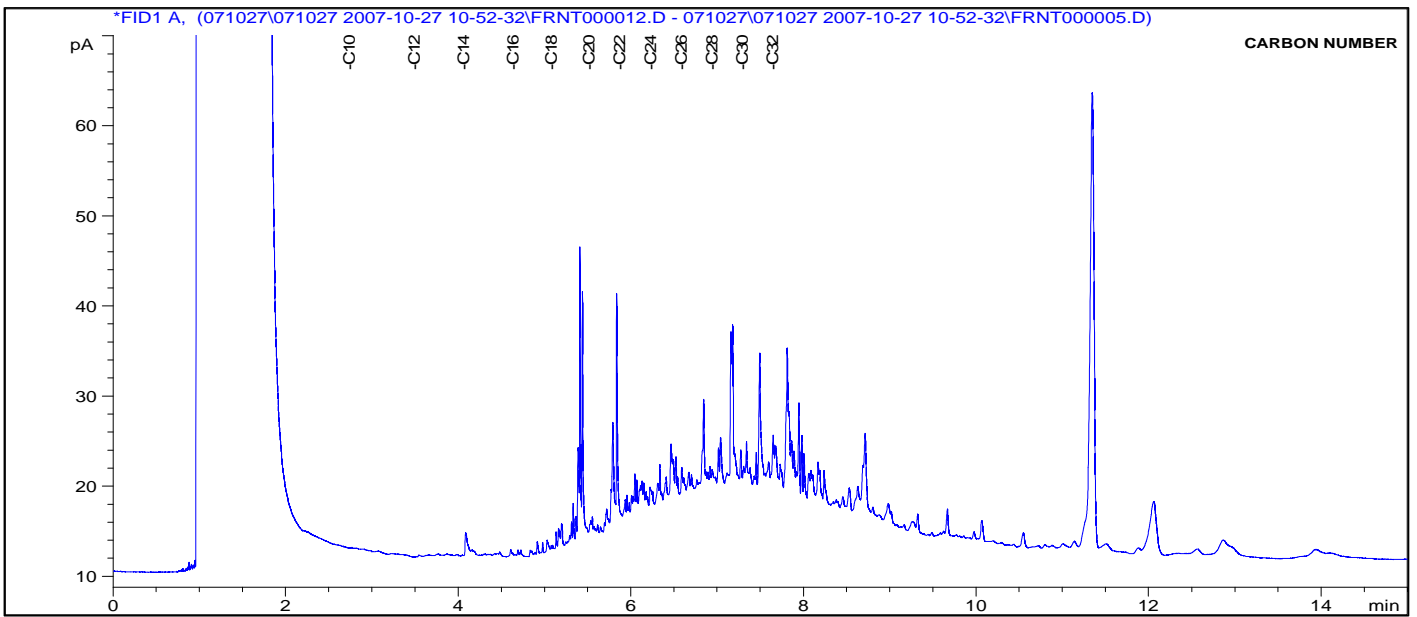
Agri-Food & Environmental Group  
 Calgary Edmonton Winnipeg Lethbridge Surrey

**Bill to:** Madrone Environmental Services Ltd  
**Report to:** Madrone Environmental Services Ltd  
 1081 Canada Drive  
 Duncan, BC, Canada  
 V9L 1V2  
 Attn: Wanda Miller  
**Sampled by:** Wanda Miller  
 Madrone

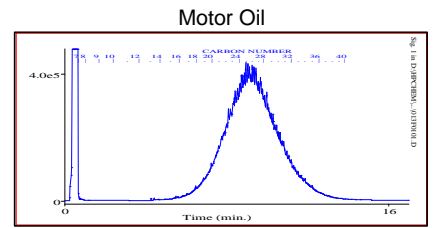
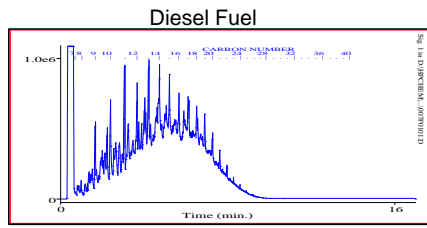
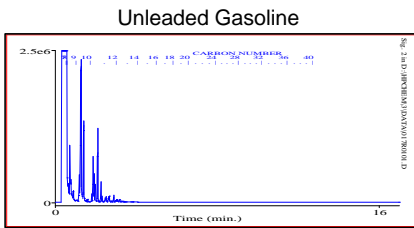
**Project ID:** 07-0112  
**Name:** Salt Spring Fire Hall  
**Location:** #2 PSI  
**LSD:**  
**P.O.:**

**NWL Lot ID:** 582600  
**Control Number:** E 222800  
**Date Received:** Oct 24, 2007  
**Date Reported:**

NWL Number: 582600-1      Sample Description: SS1  
 Sample Date: Oct 23, 2007      10-20cm



### TYPICAL PRODUCT CHROMATOGRAMS



### Product Carbon Number Ranges

Gasoline	C4-C12	Kerosene	C7-C16	Lubricating Oils	C20-C40
Varsol	C8-C12	Diesel	C8-C22	Crude Oils	C3-C60+



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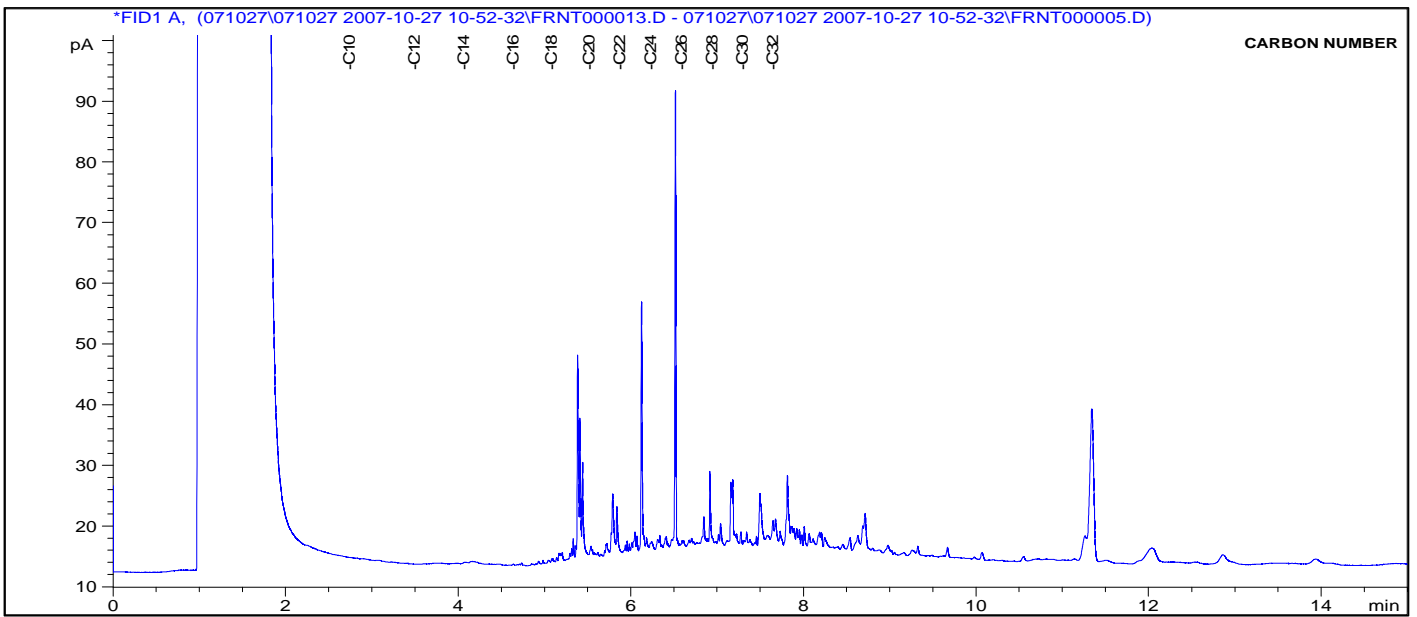
Agri-Food & Environmental Group  
 Calgary Edmonton Winnipeg Lethbridge Surrey

**Bill to:** Madrone Environmental Services Ltd  
**Report to:** Madrone Environmental Services Ltd  
 1081 Canada Drive  
 Duncan, BC, Canada  
 V9L 1V2  
 Attn: Wanda Miller  
**Sampled by:** Wanda Miller  
 Madrone

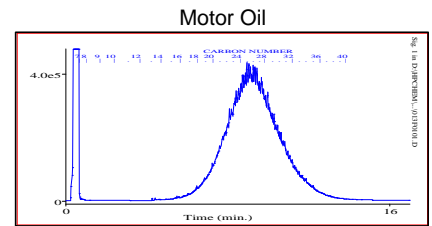
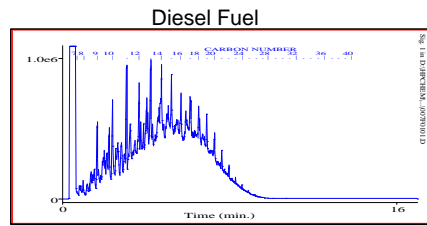
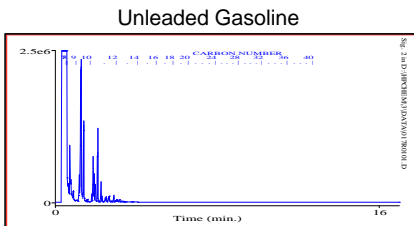
**Project ID:** 07-0112  
**Name:** Salt Spring Fire Hall  
**Location:** #2 PSI  
**LSD:**  
**P.O.:**

**NWL Lot ID:** 582600  
**Control Number:** E 222800  
**Date Received:** Oct 24, 2007  
**Date Reported:**

NWL Number: 582600-2      Sample Description: SS2  
 Sample Date: Oct 23, 2007      20-30cm



### TYPICAL PRODUCT CHROMATOGRAMS



### Product Carbon Number Ranges

Gasoline	C4-C12	Kerosene	C7-C16	Lubricating Oils	C20-C40
Varsol	C8-C12	Diesel	C8-C22	Crude Oils	C3-C60+



# Hydrocarbon Chromatogram

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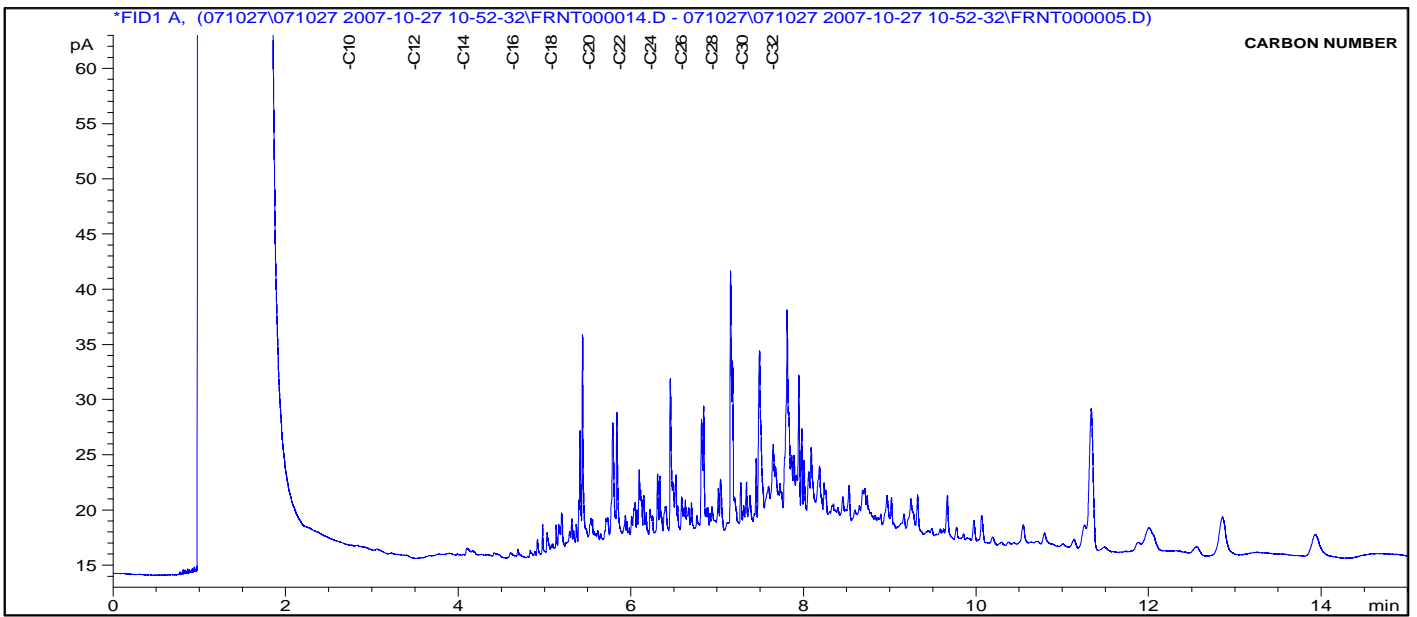
Agri-Food & Environmental Group  
 Calgary Edmonton Winnipeg Lethbridge Surrey

**Bill to:** Madrone Environmental Services Ltd  
**Report to:** Madrone Environmental Services Ltd  
 1081 Canada Drive  
 Duncan, BC, Canada  
 V9L 1V2  
 Attn: Wanda Miller  
**Sampled by:** Wanda Miller  
 Madrone

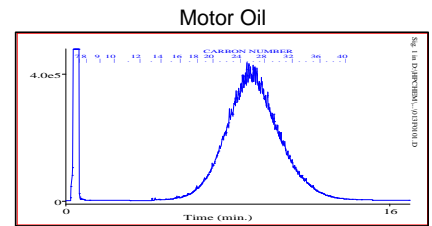
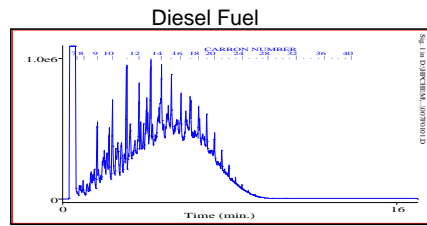
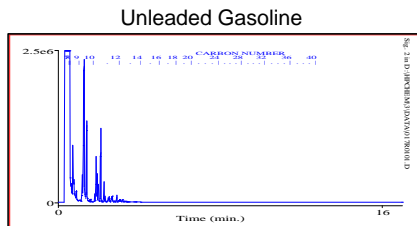
**Project ID:** 07-0112  
**Name:** Salt Spring Fire Hall  
**Location:** #2 PSI  
**LSD:**  
**P.O.:**

**NWL Lot ID:** 582600  
**Control Number:** E 222800  
**Date Received:** Oct 24, 2007  
**Date Reported:**

NWL Number: 582600-3      Sample Description: SS3  
 Sample Date: Oct 23, 2007      20-30cm



### TYPICAL PRODUCT CHROMATOGRAMS



### Product Carbon Number Ranges

Gasoline	C4-C12	Kerosene	C7-C16	Lubricating Oils	C20-C40
Varsol	C8-C12	Diesel	C8-C22	Crude Oils	C3-C60+



# Hydrocarbon Chromatogram

#104 - 19575 55A Avenue  
 Surrey, BC V3S 8P8  
 Phone: (604) 514-3322  
 Fax: (604) 514-3323

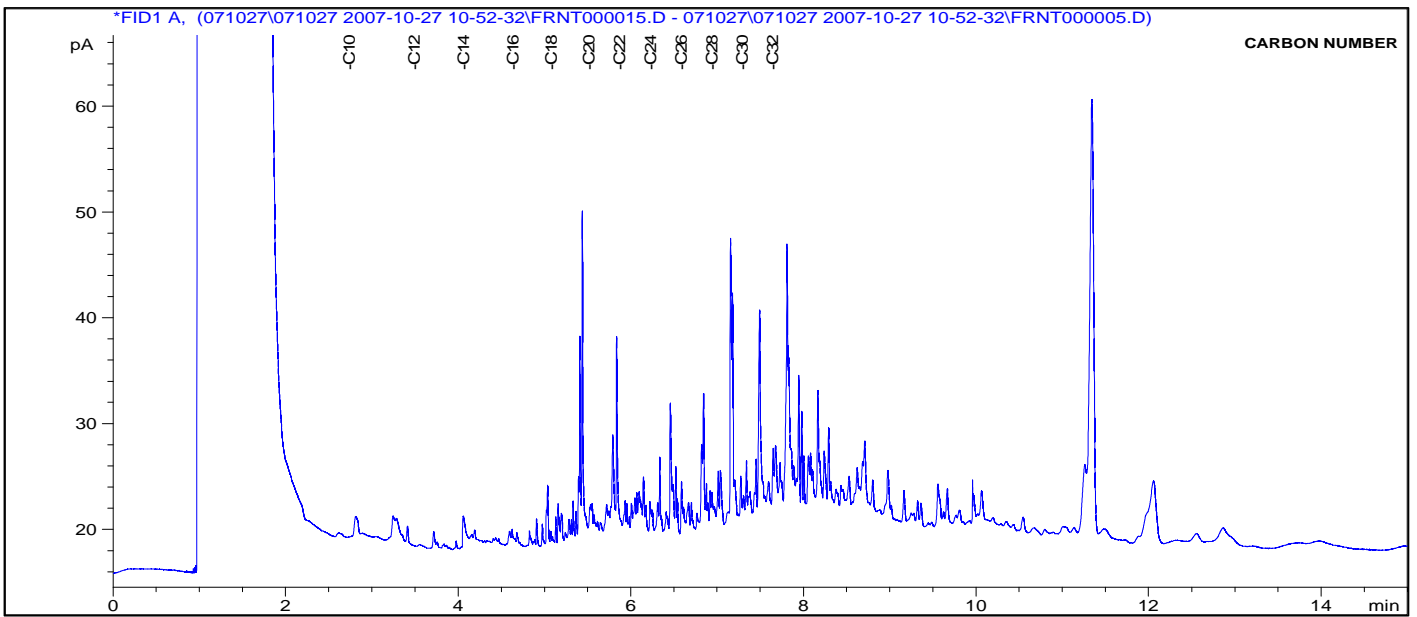
Agri-Food & Environmental Group  
 Calgary Edmonton Winnipeg Lethbridge Surrey

**Bill to:** Madrone Environmental Services Ltd  
**Report to:** Madrone Environmental Services Ltd  
 1081 Canada Drive  
 Duncan, BC, Canada  
 V9L 1V2  
 Attn: Wanda Miller  
**Sampled by:** Wanda Miller  
 Madrone

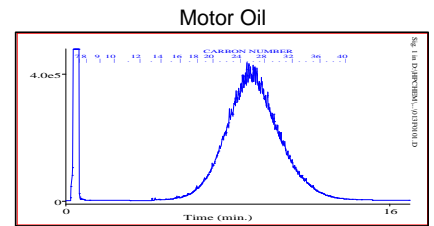
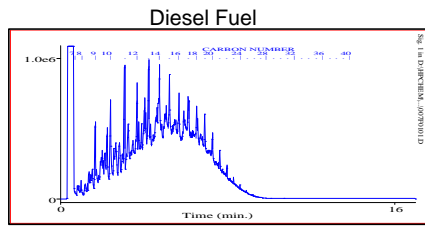
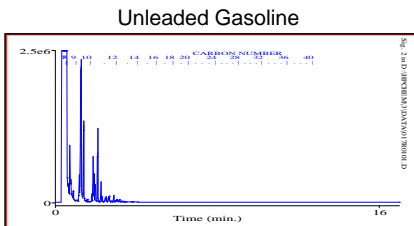
**Project ID:** 07-0112  
**Name:** Salt Spring Fire Hall  
**Location:** #2 PSI  
**LSD:**  
**P.O.:**

**NWL Lot ID:** 582600  
**Control Number:** E 222800  
**Date Received:** Oct 24, 2007  
**Date Reported:**

NWL Number: 582600-4      Sample Description: SS4  
 Sample Date: Oct 23, 2007      25-35cm



### TYPICAL PRODUCT CHROMATOGRAMS



### Product Carbon Number Ranges

Gasoline	C4-C12	Kerosene	C7-C16	Lubricating Oils	C20-C40
Varsol	C8-C12	Diesel	C8-C22	Crude Oils	C3-C60+