ALS Environmental

CHEMICAL ANALYSIS REPORT

Date: September 9, 2002

ALS File No. P7199r

Report On: Polaris Mine Seawater Analysis

Report To: **Gartner Lee Ltd.**
Sperling Plaza
Suite 490, 6400 Roberts Street
Burnaby, BC
V5G 4C9

RECEIVED
SEP 13 2002
GARTNER LEE LTD.

Attention: **Ms. Arlene Laudrum**

Received: July 19, 2002

ALS ENVIRONMENTAL
per:

T. G. Gardner

Brent C. Mack, B.Sc. - Project Chemist
Leanne Harris, B.Sc. - Project Chemist

ALS CANADA LTD.
1988 Triumph Street, Vancouver, BC Canada V5L 1K5
Phone: 604-253-4188 Fax: 604-253-6700 Website: www.alsenviro.com

REMARKS

This report replaces the previously issued P7199 and includes added analysis for Polycyclic Aromatic Hydrocarbons (PAH) for the samples identified as 'MW02-005', 'MW02-007', and 'MW02-010.

Please note the detection limits for certain PAHs have been increased for the samples reported in the following data tables due to sample matrix interferences.

Qualifications for the QC Report Data:

1. Method Spikes - Decane (nC10) - The Decane (nC10) data, by GC-FID does not meet data quality objectives. This low spike recovery does not affect the samples reported for EPH, however, as the low recovery was determined to be due to the preparation of the spike itself prior to the extraction stage.

All other QC data presented for these samples meets ALS Data Quality Objectives. For more information, contact your ALS service representative.

File No. P7199r

RESULTS OF ANALYSIS - Seawater

Sample ID	MW02-003	MW02-004	MW02-005	MW02-006	MW02-007
Sample Date	02 07 16	02 07 16	02 07 16	02 07 16	02 07 16
Sample Time	13:00	13:00	13:00	13:00	13:00
ALS ID	*1*	*2*	*3*	*4*	*5*
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	-	-	<0.008	-	<0.00005
Acenaphthylene	-	-	<0.003	-	<0.00005
Acridine	-	-	<0.002	-	<0.00005
Anthracene	-	-	<0.001	-	<0.00005
Benz(a)anthracene	-	-	<0.0005	-	<0.00005
Benzo(a)pyrene	-	-	<0.00001	-	<0.00001
Benzo(b)fluoranthene	-	-	<0.00005	-	<0.00005
Benzo(g,h,i)perylene	-	-	<0.00005	-	<0.00005
Benzo(k)fluoranthene	-	-	<0.00005	-	<0.00005
Chrysene	-	-	<0.0005	-	<0.00005
Dibenz(a,h)anthracene	-	-	<0.00005	-	<0.00005
Fluoranthene	-	-	<0.0005	-	<0.00005
Fluorene	-	-	0.0125	-	<0.00005
Indeno(1,2,3-c,d)pyrene	-	-	<0.00005	-	<0.00005
Naphthalene	-	-	0.0611	-	<0.00005
Phenanthrene	-	-	0.0167	-	<0.00005
Pyrene	-	-	0.0010	-	<0.00005
Quinoline	-	-	<0.01	-	<0.00005
Extractable Hydrocarbons					
EPH10-19	<0.3	<0.3	69.7	39.5	<0.3
EPH19-32	<1	<1	7	4	<1
LEPH	-	-	69.6	-	<0.3
HEPH	-	-	7	-	<1

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.
EPH = Extractable Petroleum Hydrocarbons.
EPH10-19 is equivalent to EHw10-19.
LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

File No. P7199r

RESULTS OF ANALYSIS - Seawater

Sample ID	MW02-009	MW02-010	MW02-011	MW02-012	MW02-013
Sample Date	02 07 16	02 07 16	02 07 16	02 07 16	02 07 16
Sample Time	13:00	13:00	13:00	13:00	13:00
ALS ID	*6*	*7*	*8*	*9*	*10*
Polycyclic Aromatic Hydrocarbons					
Acenaphthene	-	<0.0009	-	-	-
Acenaphthylene	-	<0.0004	-	-	-
Acridine	-	<0.0002	-	-	-
Anthracene	-	<0.0002	-	-	-
Benz(a)anthracene	-	<0.00005	-	-	-
Benzo(a)pyrene	-	0.00001	-	-	-
Benzo(b)fluoranthene	-	<0.00005	-	-	-
Benzo(g,h,i)perylene	-	0.00005	-	-	-
Benzo(k)fluoranthene	-	<0.00005	-	-	-
Chrysene	-	<0.00005	-	-	-
Dibenz(a,h)anthracene	-	<0.00005	-	-	-
Fluoranthene	-	0.00023	-	-	-
Fluorene	-	0.00206	-	-	-
Indeno(1,2,3-c,d)pyrene	-	<0.00005	-	-	-
Naphthalene	-	<0.002	-	-	-
Phenanthrene	-	0.00236	-	-	-
Pyrene	-	0.00114	-	-	-
Quinoline	-	<0.002	-	-	-
Extractable Hydrocarbons					
EPH10-19	5.5	7.7	<0.3	<0.3	12.4
EPH19-32	1	2	<1	<1	2
LEPH	-	7.7	-	-	-
HEPH	-	2	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.
EPH = Extractable Petroleum Hydrocarbons.
EPH10-19 is equivalent to EHw10-19.
LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

File No. P7199r

RESULTS OF ANALYSIS - Seawater

Sample ID	MW02-014	MW02-017	MW02-018	MW02-021	MW02-022
Sample Date	02 07 16	02 07 16	02 07 16	02 07 16	02 07 16
Sample Time	13:00	13:00	13:00	13:00	13:00
ALS ID	*11*	*12*	*13*	*14*	*15*
Extractable Hydrocarbons					
EPH10-19	5.2	19.5	9.8	7.5	7.0
EPH19-32	<1	2	1	1	1
LEPH	-	-	-	-	-
HEPH	-	-	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
Results are expressed as milligrams per litre except where noted.
< = Less than the detection limit indicated.
EPH = Extractable Petroleum Hydrocarbons.
EPH10-19 is equivalent to EHw10-19.
LEPH & HEPH = Light and Heavy Extractable Petroleum Hydrocarbons.

Appendix 1 - QUALITY CONTROL - Spikes

Seawater

	Result	Target	Units	DL	ALSQC#	Method
Polycyclic Aromatic Hydrocarbons						
Naphthalene	0.055	0.100	mg/L	0.005	298198	a
Phenanthrene	0.106	0.100	mg/L	0.005	298198	a
Pyrene	0.099	0.100	mg/L	0.005	298198	a
Extractable Hydrocarbons						
Decane (nC10)	0.055	0.100	mg/L	0.005	298198	a
Dodecane (nC12)	0.075	0.100	mg/L	0.005	298198	a
Dotriacontane (nC32)	0.096	0.100	mg/L	0.005	298198	a
Eicosane (nC20)	0.097	0.100	mg/L	0.005	298198	a
Hexadecane (nC16)	0.096	0.100	mg/L	0.005	298198	a
Nonadecane (nC19)	0.099	0.100	mg/L	0.005	298198	a
Triacontane (nC30)	0.094	0.100	mg/L	0.005	298198	a

Methods:
a = GC-FID

File No. P7199r

Appendix 1 - QUALITY CONTROL - Blanks

Seawater

	Result	Target	Units	DL	ALSQC#	Method
Extractable Hydrocarbons						
EPH10-19	<0.3	<0.3	mg/L	0.3	298197	a
EPH19-32	<1	<1	mg/L	1	298197	a

Methods:
a = GC-FID

Appendix 2 - METHODOLOGY

Outlines of the methodologies utilized for the analysis of the samples submitted are as follows

Extractable Hydrocarbons in Water

This analysis is carried out in accordance with the British Columbia Ministry of Environment, Lands and Parks (BCMELP) Analytical Method for Contaminated Sites "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 1999). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to toluene and analysed by capillary column gas chromatography with flame ionization detection (GC/FID). EPH results include Polycyclic Aromatic Hydrocarbons (PAH) and are therefore not equivalent to Light and Heavy Extractable Petroleum Hydrocarbons (LEPH/HEPH).

Recommended Holding Time:
Sample: 7 days Extract: 40 days
Reference: BCMELP
For more detail see ALS Environmental "Collection & Sampling Guide"

Polycyclic Aromatic Hydrocarbons in Water

This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Methods 3510, 3630 & 8270, published by the United States Environmental Protection Agency (EPA). The procedure involves extraction of the entire water sample with dichloromethane. The extract is then solvent exchanged to toluene prior to analysis by capillary column gas chromatography with mass spectrometric detection (GC/MS).

Recommended Holding Time:
Sample: 7 days Extract: 40 days
Reference: EPA
For more detail see ALS Environmental "Collection & Sampling Guide"

Light and Heavy Extractable Petroleum Hydrocarbons in Water

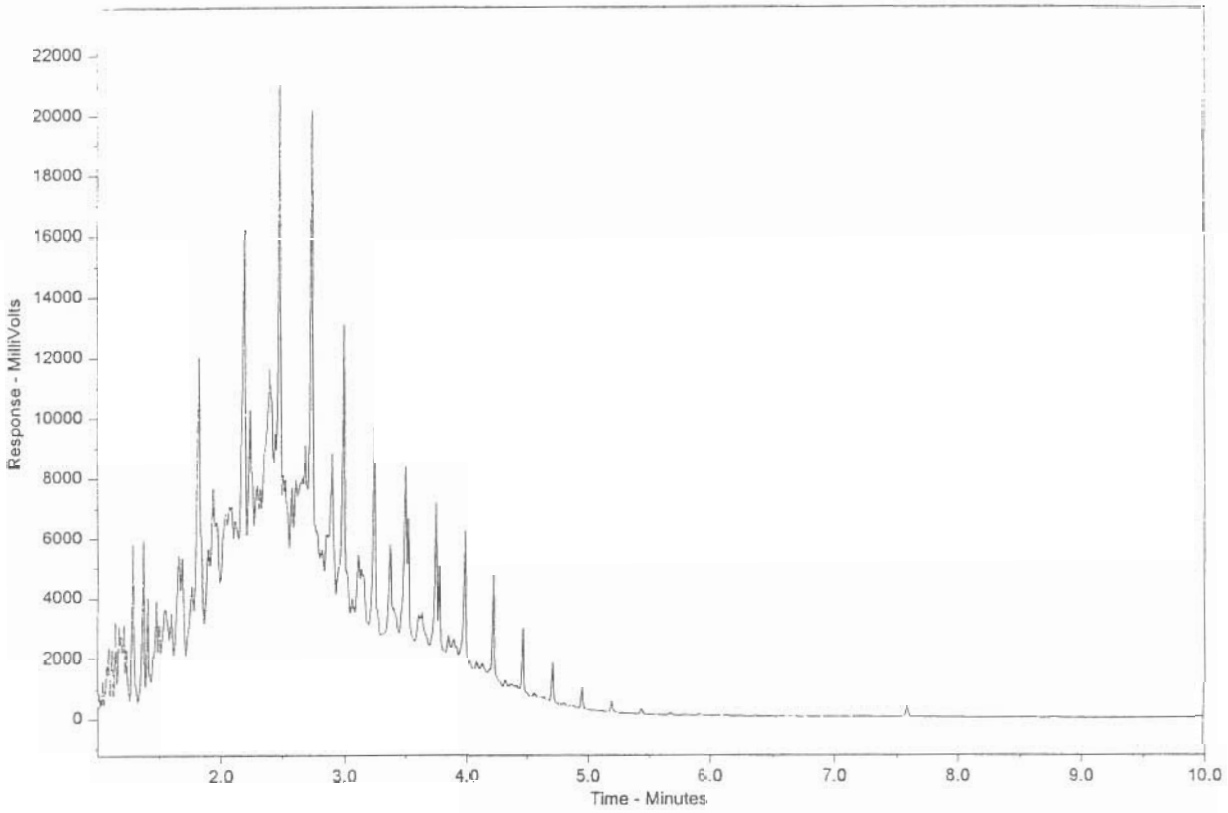
These results are determined according to the British Columbia Ministry of Environment, Lands, and Parks Analytical Method for Contaminated Sites "Calculation of Light and Heavy Extractable Petroleum Hydrocarbons in Solids or Water". According to this method, LEPH and HEPH are calculated by subtracting selected Polynuclear Aromatic Hydrocarbon results from Extractable Petroleum Hydrocarbon results. To calculate LEPH, the individual results for Acenaphthene, Acridine, Anthracene, Fluorene, Naphthalene, and Phenanthrene are subtracted from EPH(C10-19). To calculate HEPH, the individual results for Benz(a)anthracene, Benzo(a)pyrene, Fluoranthene, and Pyrene are subtracted from EPH(C19-32). Analysis of Extractable Petroleum Hydrocarbons adheres to all prescribed elements of the BCMELP method "Extractable Petroleum Hydrocarbons in Water by GC/FID" (Version 2.1, July 20, 1999).

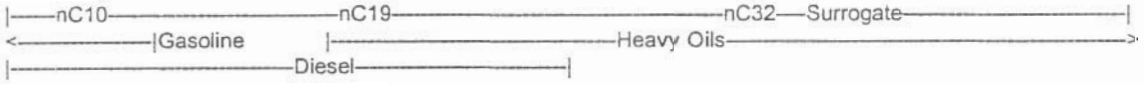
Recommended Holding Time: Not Applicable

End of Report

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: **P7199-T--3**
File Name: i:\Chrom\gc21\data\gc21_24julA.0031.RAW
Run Information: Acquired on GC21, 7/25/2002 3:07:48 AM





Sample Amount = 500.0 (g or mL) Dilution Factor = 1.0

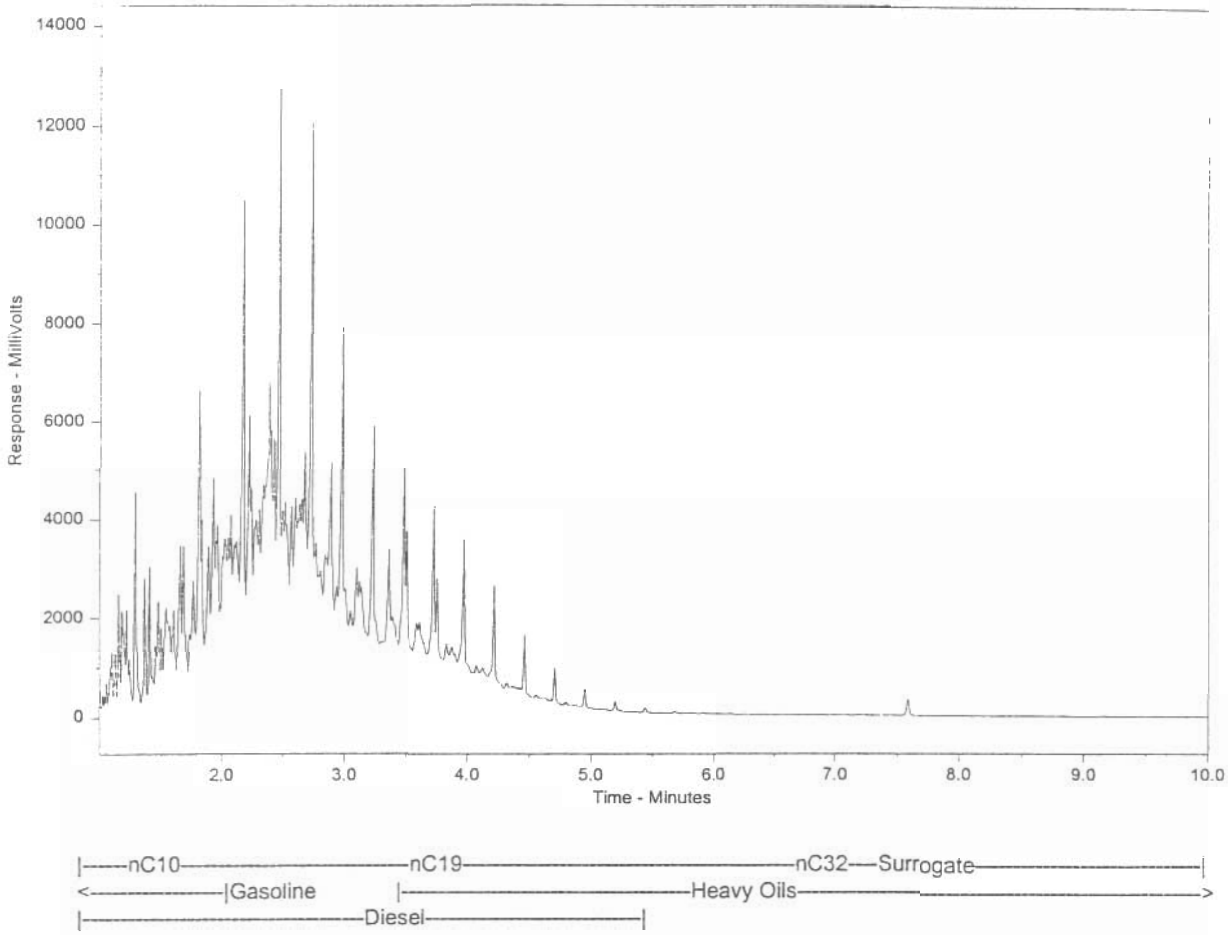
The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and of three n-alkane hydrocarbon marker compounds.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

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: P7199-T--4
File Name: i:\Chrom\gc21\data\gc21_24julA.0032.RAW
Run Information: Acquired on GC21, 7/25/2002 3:27:05 AM



Sample Amount = 460.0 (g or mL) Dilution Factor = 1.0

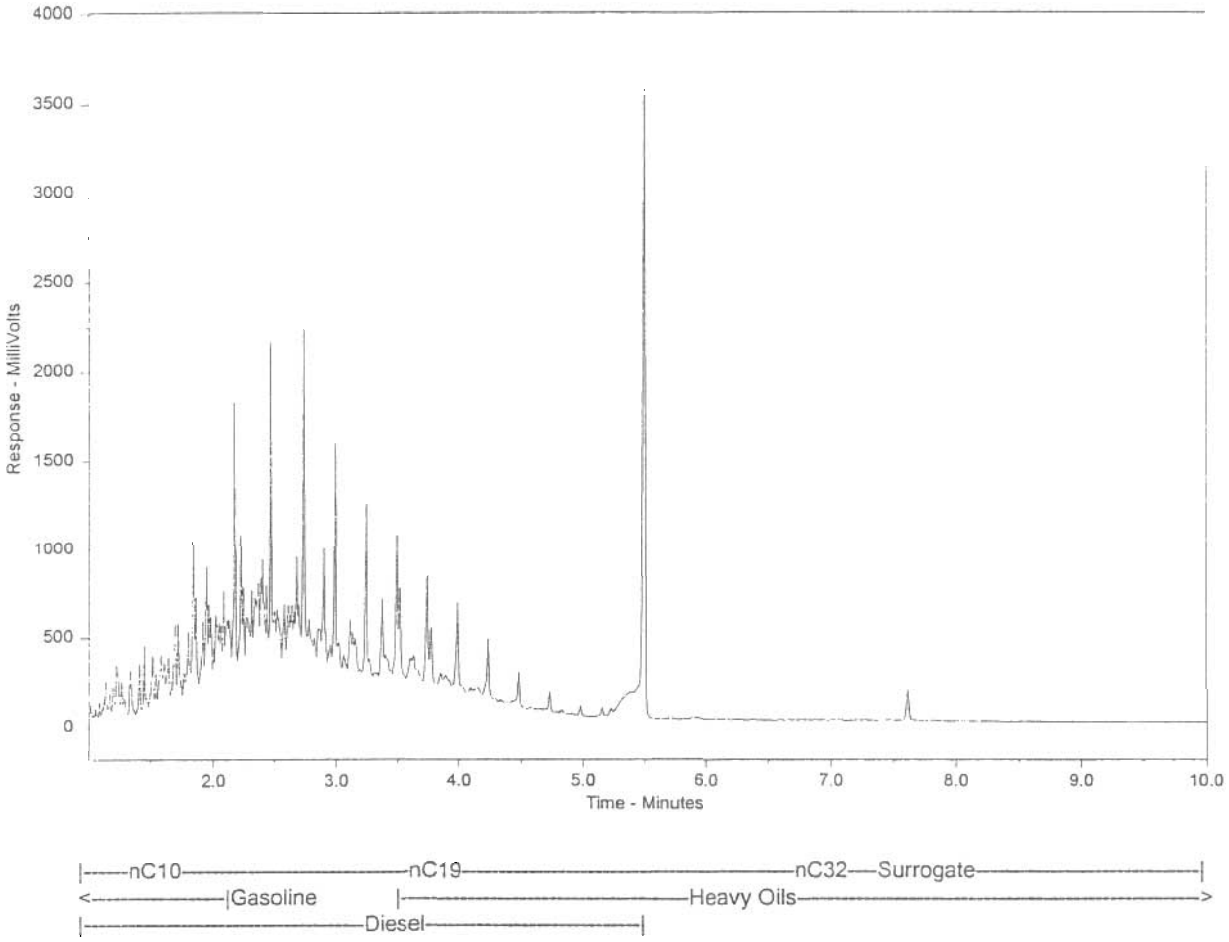
The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and of three n-alkane hydrocarbon marker compounds.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

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: **P7199-T--6**
File Name: i:\Chrom\gc21\data\gc21_24julB.0018.RAW
Run Information: Acquired on GC21, 7/24/2002 10:57:33 PM



Sample Amount = 500.0 (g or mL) Dilution Factor = 1.0

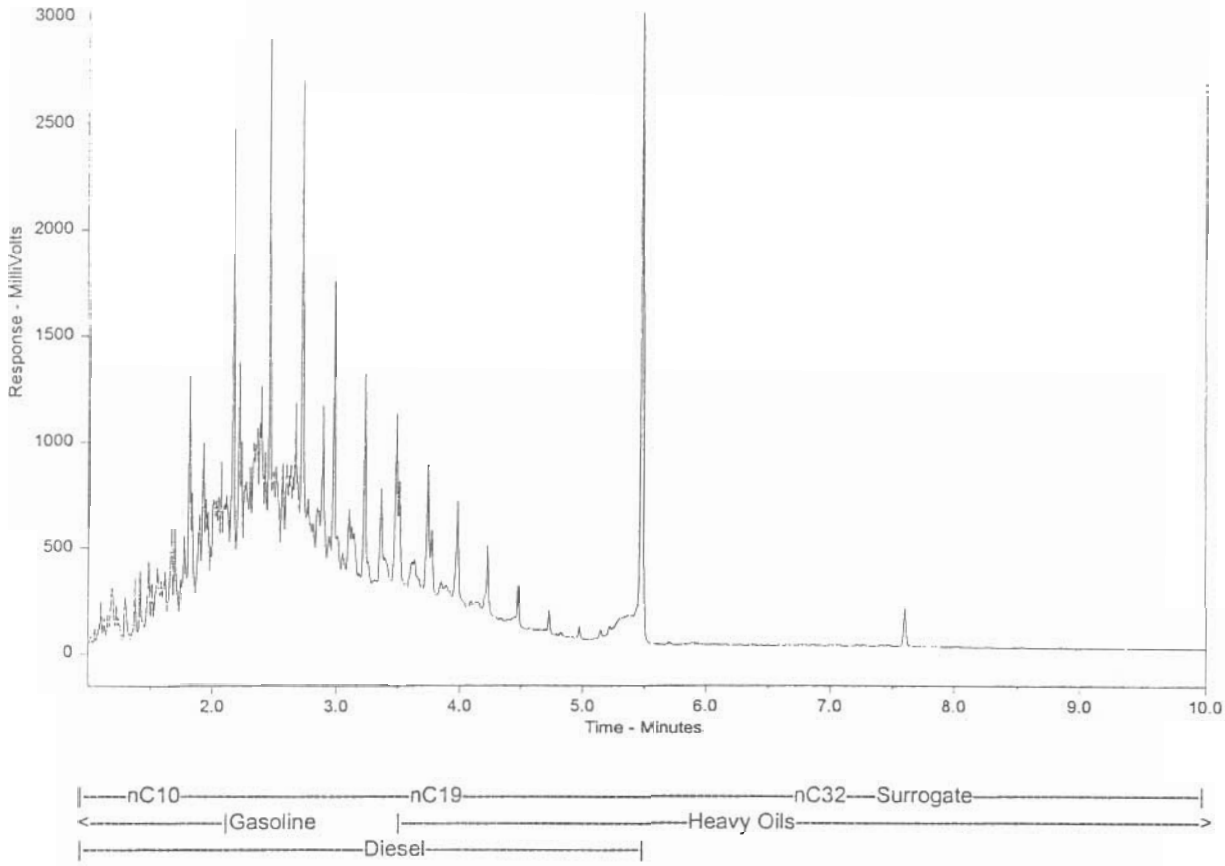
The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and of three n-alkane hydrocarbon marker compounds.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

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: **P7199-T--7**
File Name: i:\Chrom\gc21\data\gc21_24julB.0019.RAW
Run Information: Acquired on GC21, 7/24/2002 11:16:47 PM



Sample Amount = 440.0 (g or mL) Dilution Factor = 1.0

The 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 three n-alkane hydrocarbon marker compounds. Comparison of this report with those of reference standards may also assist in characterizing hydrocarbons present in the sample. A current library of reference products is available upon request.

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: **P7199-T--10**
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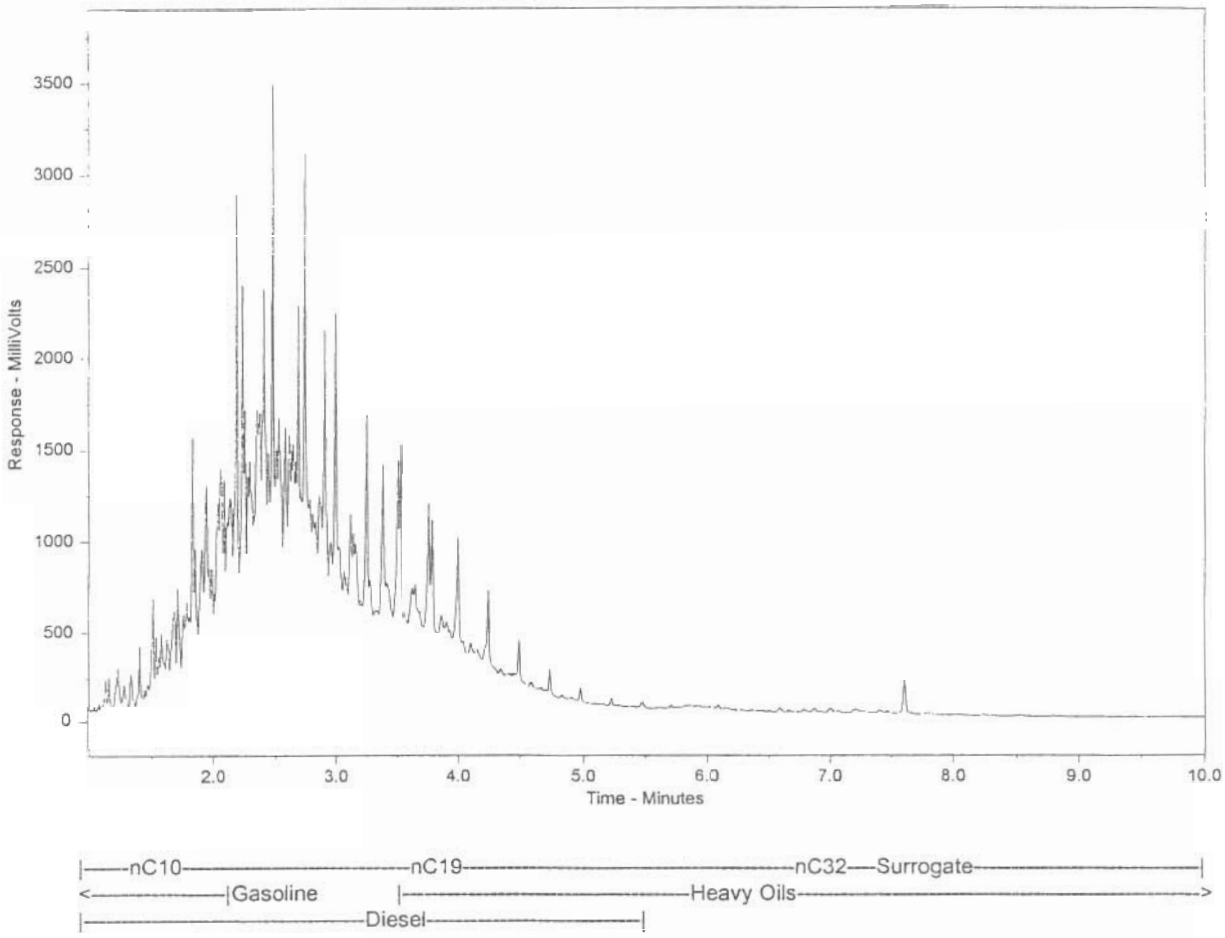
Run Information: Acquired on GC21, 7/25/2002 12:14:40 AM



Sample Amount = 440.0 (g or mL) Dilution Factor = 1.0

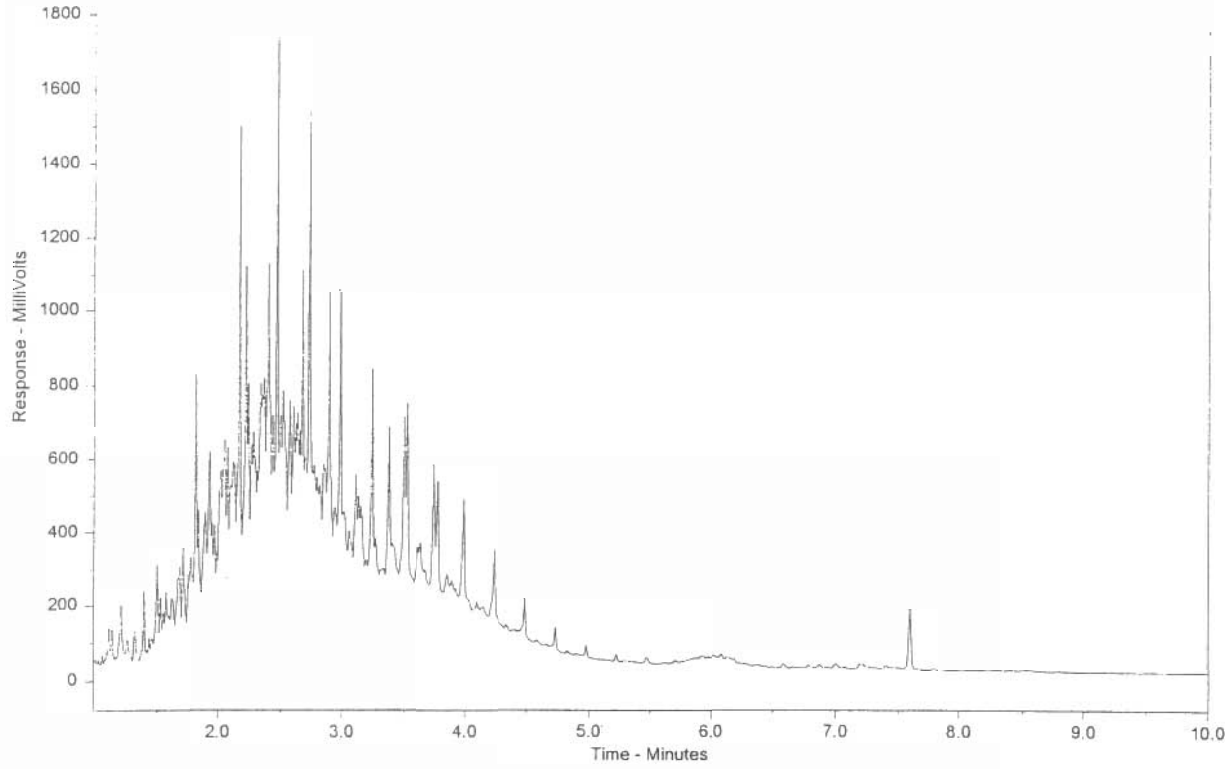
The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and of three n-alkane hydrocarbon marker compounds.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

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: P7199-T--11
File Name: i:\Chrom\gc21\data\gc21_24julB.0023.RAW
Run Information: Acquired on GC21, 7/25/2002 12:33:52 AM



Sample Amount = 500.0 (g or mL) Dilution Factor = 1.0

The 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 three n-alkane hydrocarbon marker compounds. Comparison of this report with those of reference standards may also assist in characterizing hydrocarbons present in the sample. A current library of reference products is available upon request.

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: **P7199-T--12**
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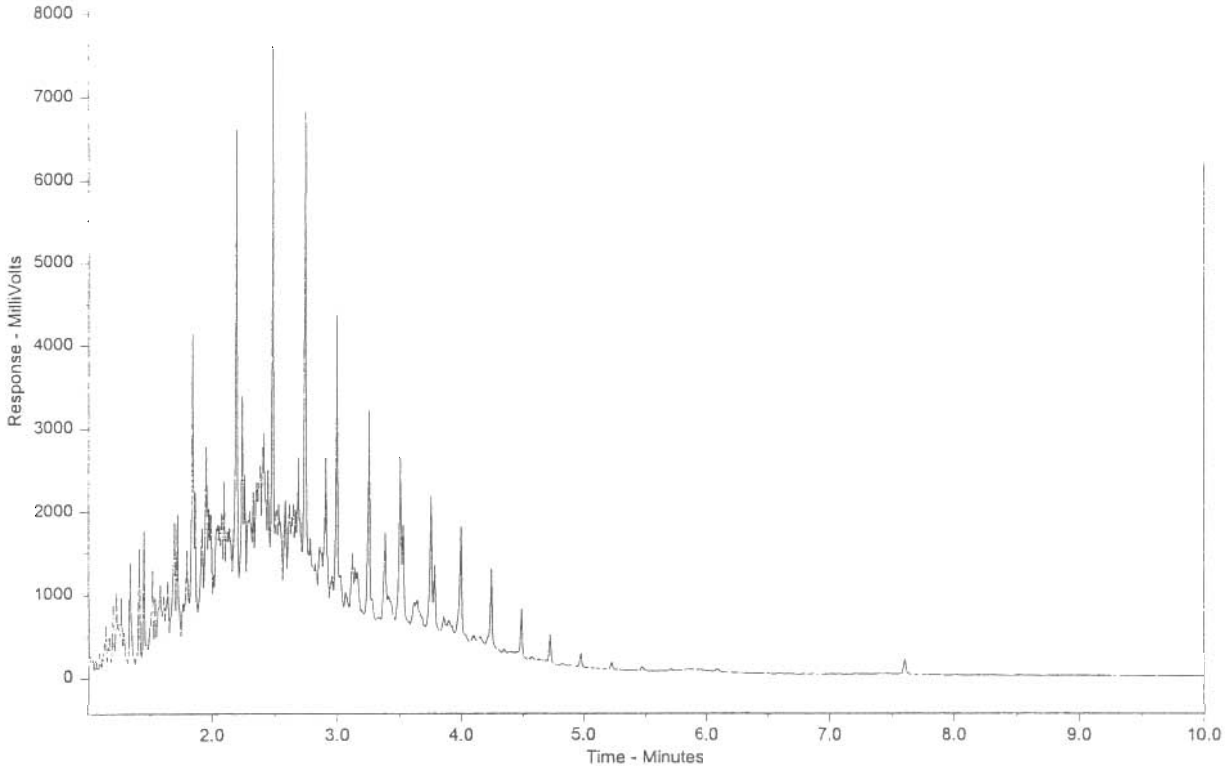
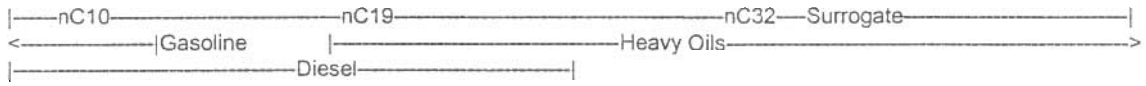
Run Information: Acquired on GC21, 7/25/2002 12:53:06 AM





Sample Amount = 420.0 (g or mL) Dilution Factor = 1.0

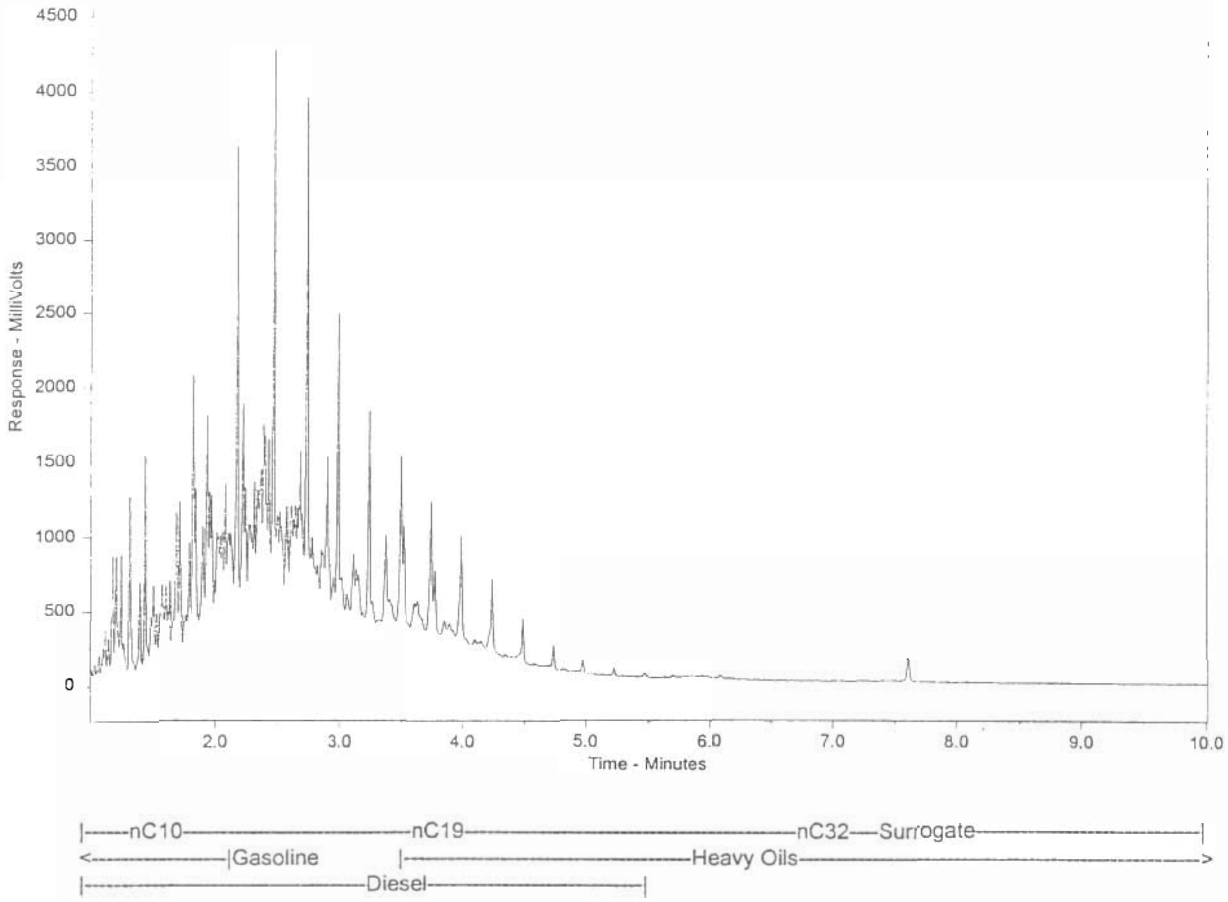
The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and of three n-alkane hydrocarbon marker compounds.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

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: P7199-T--13
File Name: i:\Chrom\gc21\data\gc21_24julB.0026.RAW
Run Information: Acquired on GC21, 7/25/2002 1:31:37 AM



Sample Amount = 490.0 (g or mL) Dilution Factor = 1.0

The 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 three n-alkane hydrocarbon marker compounds. Comparison of this report with those of reference standards may also assist in characterizing hydrocarbons present in the sample. A current library of reference products is available upon request.

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: **P7199-T--14**
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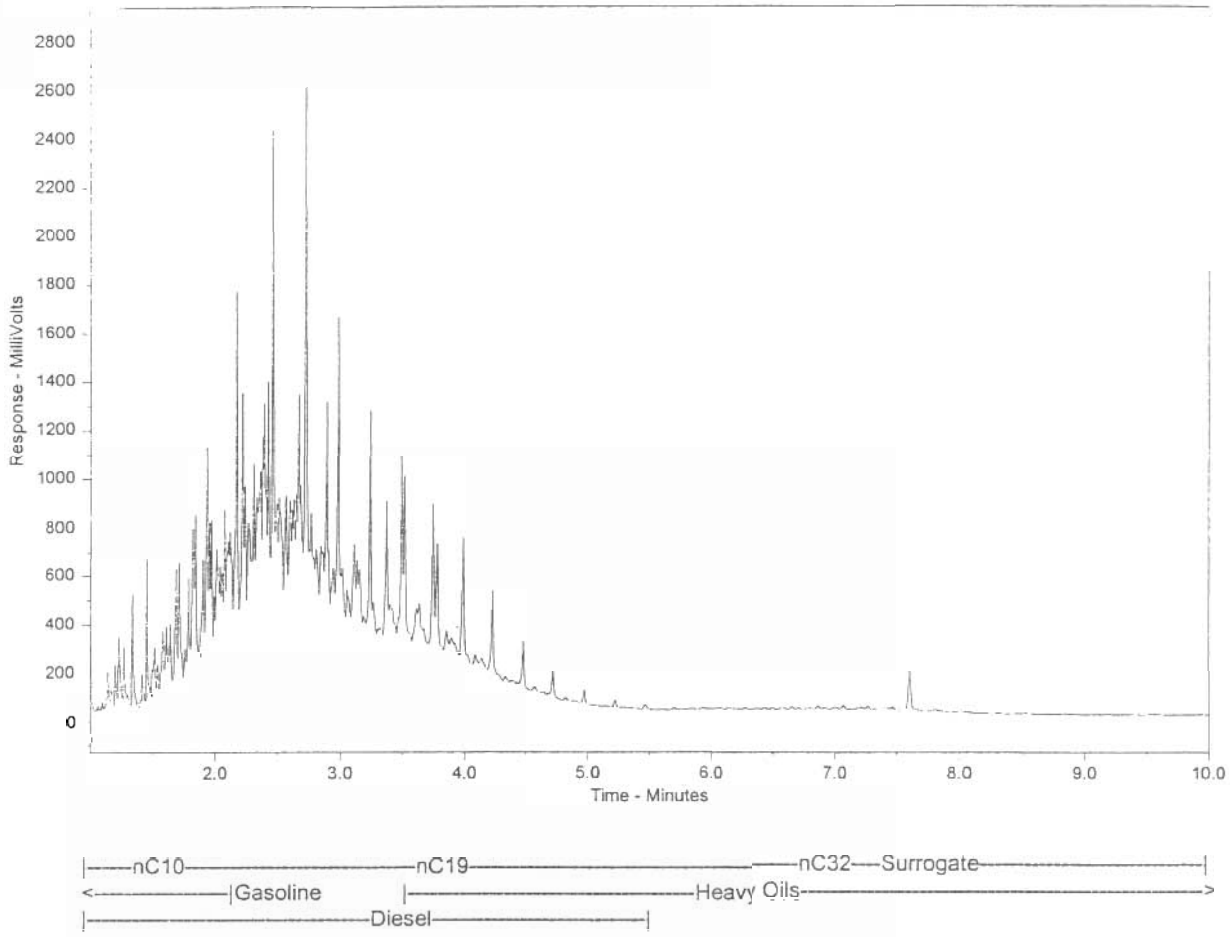
Run Information: Acquired on GC21, 7/25/2002 1:50:51 AM



Sample Amount = 460.0 (g or mL) Dilution Factor = 1.0

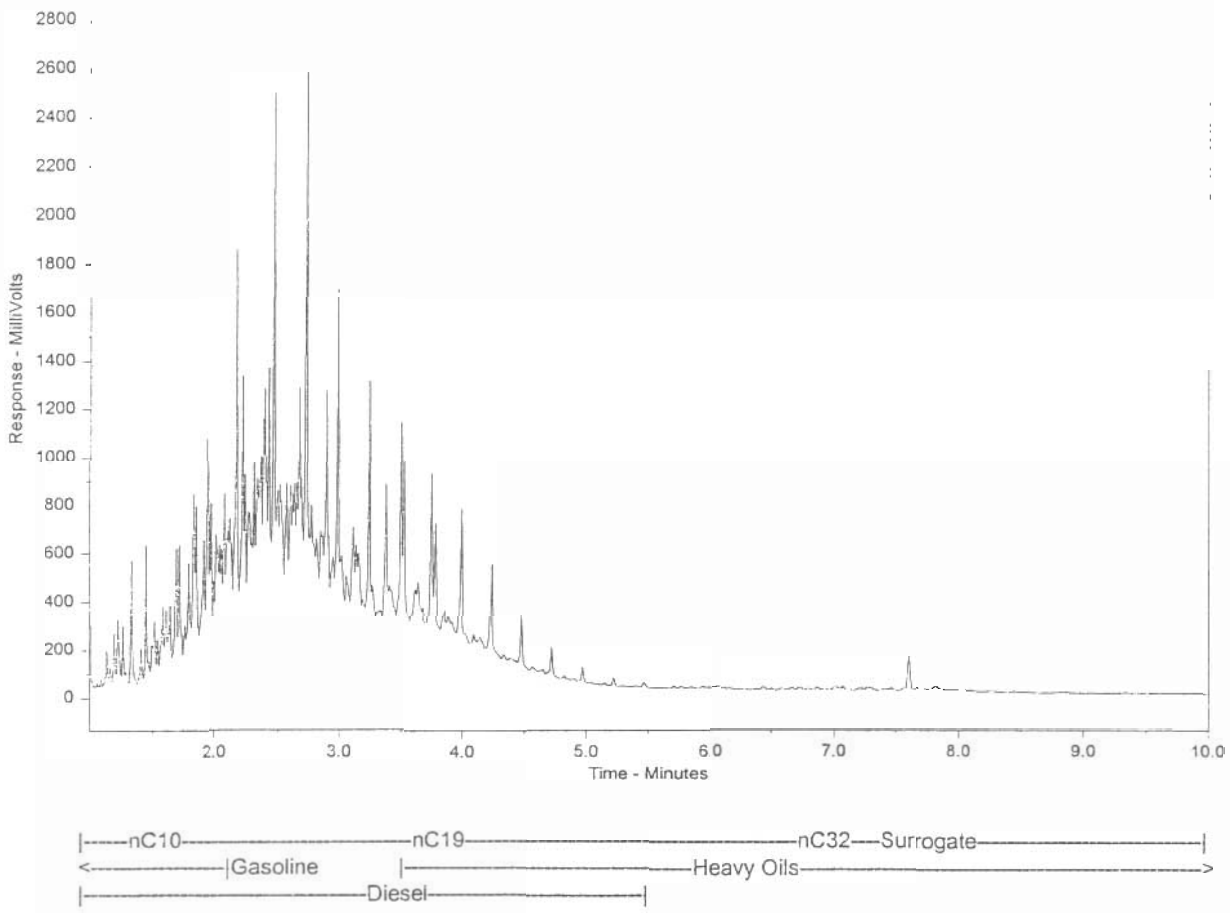
The Hydrocarbon Distribution Report is intended to assist you in characterizing hydrocarbon products that may be present in your sample. The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products, and of three n-alkane hydrocarbon marker compounds.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

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

ALS Environmental - Hydrocarbon Distribution Report

Client Sample ID:
ALS Sample ID: **P7199-T--15**
File Name: i:\Chrom\gc21\data\gc21_24julB.0028.RAW
Run Information: Acquired on GC21, 7/25/2002 2:10:09 AM



|----------Diesel----------|

Sample Amount = 475.0 (g or mL) Dilution Factor = 1.0

The 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 three n-alkane hydrocarbon marker compounds. Comparison of this report with those of reference standards may also assist in characterizing hydrocarbons present in the sample. A current library of reference products is available upon request.

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.

A C35 surrogate compound is added to all samples by the laboratory as a component of quality control. Depending on the amount of heavy hydrocarbons present in the sample, this peak may or may not be visible near the end of the chromomatogram where indicated.

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

CLIENT: Gartner Lee Ltd

ADDRESS: Suite 441, 6400 Roberts St ~~Burnaby~~

CITY: Burnaby PROV.: BC POSTAL CODE:

CONTACT: Arlene Laudrum SAMPLER:

TELEPHONE: (604) 299 4144 FAX:

PROJECT NAME/NO.: POLARIS MINE

P.O. NO.: QUOTE NO.:

DATE SUBMITTED: 2002/7/16 ALS CONTACT: BRENT MACK

ALS Environmental

1988 Triumph Street
Vancouver, BC
Canada V5L 1K5
TEL: 604-253-4188
TOLL FREE: 1-800-665-0243
FAX: 604-253-6700
www.alsenviro.com

ANALYSIS REQUESTED

FIELD FILT

FOR LAB USE ONLY

LAB USE ONLY P7196

	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED Y	M	D		MATRIX	NOTES
	MW02-001	02	07	16	1:00 AM (PM)	OCEAN WATER	
	MW02-002				: AM PM		
1	MW02-003				: AM PM		
2	MW02-004				: AM PM		
3	MW02-005				: AM PM		
4	MW02-006				: AM PM		
5	MW02-007				: AM PM		
	MW02-008				: AM PM		
6	MW02-009				: AM PM		
7	MW02-010				: AM PM		
8	MW02-011				: AM PM		
9	MW02-012				: AM PM		
10	MW02-013				: AM PM		
11	MW02-014				: AM PM		
12	MW02-017				: AM PM		
13	MW02-018				: AM PM		

TURN AROUND REQUIRED:

☐ ROUTINE (7 - 10 WORKING DAYS) ☐ RUSH (SPECIFY DATE):

SPECIAL INSTRUCTIONS (BILLING DETAILS, QC REPORTING, ETC.):

Email result to abath@gartnerlee.com

RELIQUISHED BY:	DATE	RECEIVED BY:	DATE 020719
	TIME		TIME 16:32
RELIQUISHED BY:	DATE	RECEIVED BY:	DATE
	TIME		TIME

FOR LAB USE ONLY

COOLER SEAL INTACT UPON RECEIPT? ☐ YES ☐ NO ☐ N/A

SAMPLE TEMPERATURE UPON RECEIPT: 16 °C FROZEN? ☐ YES ☐ NO

REPORT COPY

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

CLIENT: GARTNER LEE LTD.
ADDRESS: Suite 490, 6400 Roberts St
CITY: Burnaby PROV.: BC POSTAL CODE:
CONTACT: Arlene Vandyman SAMPLER:
TELEPHONE: (604) 299 4144 FAX:
PROJECT NAME/NO.: Palmer's Mine #
P.O. NO.: QUOTE NO.:
DATE SUBMITTED: 2007/07/16 ALS CONTACT: Brent Marcil

ALS Environmental
1988 Triumph Street
Vancouver, BC
Canada V5L 1K5
TEL: 604-253-4188
TOLL FREE: 1-800-665-0243
FAX: 604-253-6700
www.alsenviro.com

FOR LAB USE ONLY

LAB USE ONLY	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED (Y M D)	MATRIX	EPH 10-19	General Chemistry	Dissolved metals	NOTES
P71699 14	MW02-021	07 07 16 1:00 AM/PM	OCEAN WATER	X			
15	MW02-022	AM/PM		X			
16	MW02-026	AM/PM			X		
17	MW02-027	AM/PM			X		
18	MW02-028	AM/PM			X		
19	MW02-029	AM/PM			X		
20	MW02-030	AM/PM			X		
21	MW02-031	AM/PM			X		
22	MW02-032	AM/PM			X		
23	MW02-033	AM/PM			X		
24	MW02-034	AM/PM			X		
25	MW02-036	AM/PM				X	HOLD UNTIL FURTHER NOTICE
26	MW02-037	AM/PM				X	
27	MW02-038	AM/PM				X	
28	MW02-039	AM/PM				X	
29	MW02-040	AM/PM				X	

TURN AROUND REQUIRED:
☐ ROUTINE (7 - 10 WORKING DAYS) ☐ RUSH (SPECIFY DATE): _____
SPECIAL INSTRUCTIONS (BILLING DETAILS, QC REPORTING, ETC.):

RELIQUISHED BY:	DATE	RECEIVED BY:	DATE 070719
	TIME		TIME 16:32
RELIQUISHED BY:	DATE	RECEIVED BY:	DATE
	TIME		TIME

FOR LAB USE ONLY
COOLER SEAL INTACT UPON RECEIPT? ☐ YES ☐ NO ☐ N/A
SAMPLE TEMPERATURE UPON RECEIPT: 16 °C
FROZEN? ☐ YES ☐ NO

REPORT COPY

SEE WHITE PAPER CO. FOR SOURCE VERSION 05 GLP
TSSP02.04 03

CHAIN OF CUSTODY / ANALYTICAL REQUEST FORM

CLIENT: Gartner Lee Ltd.
ADDRESS: Suite 490, 6400 Roberts St.
CITY: Burnaby PROV.: BC POSTAL CODE:
TEL: (604) 599-4444 CONTACT SAMPLED: CONTACT: Arlene Laudrum
TELEPHONE: ~~Bertram Alto~~ FAX:
PROJECT NAME/NO.: Polaris Mine
P.O. NO.: QUOTE NO.:
DATE SUBMITTED: 2002/07/16 ALS CONTACT: Brent Mack

ALS Environmental
1988 Triumph Street
Vancouver, BC
Canada V5L 1K5
TEL: 604-253-4188
TOLL FREE: 1-800-665-0243
FAX: 604-253-6700
www.alsenviro.com

ANALYSIS REQUESTED

FOR LAB USE ONLY

LAB USE ONLY P7199	SAMPLE IDENTIFICATION	DATE / TIME COLLECTED (Y M D)	AM/PM	MATRIX	Dissolved metals	NOTES
30	MW02-041	02 07 16 1:00	PM	OCEAN WATER	X	HOLD
31	MW02-042	↓		↓	X	UNTIL
32	MW02-043	↓		↓	X	FURTHER
33	MW02-044	↓		↓	X	NOTICE

TURN AROUND REQUIRED:

☐ ROUTINE (7 - 10 WORKING DAYS) ☐ RUSH (SPECIFY DATE): ____________

SPECIAL INSTRUCTIONS (BILLING DETAILS, QC REPORTING, ETC.):

RELIQUISHED BY:	DATE / TIME	RECEIVED BY:	DATE / TIME
	DATE	RT	DATE 020719
	TIME		TIME 16:32
RELIQUISHED BY:	DATE	RECEIVED BY:	DATE
	TIME		TIME

FOR LAB USE ONLY

COOLER SEAL INTACT UPON RECEIPT? ☐ YES ☐ NO ☐ N/A

SAMPLE TEMPERATURE UPON RECEIPT: 16 °C
FROZEN? ☐ YES ☐ NO

REPORT COPY

SEE WHITE PAPER CO. FOR SOURCE VERSION 05 GLP TSR0?? 04.03