

**Ground Investigation
IGSL Report No. 8483
Hickey & Co., Parkgate Street
On Behalf Of
Arup
Consulting Engineers**

Volume 2

FOREWORD

Notes on Site Investigation Procedure

The following notes should be read in conjunction with the report. Any modifications to the procedures outlined below are indicated in the main text.

GENERAL

The recommendations made and opinions expressed in the Report are based on the "Boring Records, an examination of samples and results of the site and laboratory tests. No responsibility can be held for conditions which have not been revealed by the boreholes, for example, between borehole positions. Whilst the report may express an opinion on a possible configuration of strata both between borehole positions and below the maximum depth of the investigation, this is for guidance only and no liability can be accepted for its accuracy.

BORING TECHNIQUE

Unless otherwise stated the 'Shell and Auger' technique of soft ground boring has been employed. Whilst this technique allows the maximum data to be obtained on strata conditions, a degree of mixing of some layered soils, (e.g. thin layers of coarse and fine granular material) is inevitable. Specific attention is drawn to this factor where evidence of such a condition is available.

GROUND WATER

The ground water conditions entered on the Boring Records are those appertaining at the time of the investigation. The normal rate of boring does not usually permit the recording of an equilibrium water level for any one water strike. Moreover, ground water levels are subject to variations caused by seasonal effects or changes in local drainage conditions. The table of each Boring Record shows the ground water level at the quoted borehole and casing depths, usually at the start of the day's work. The word "none" indicates that ground water was sealed off by the borehole casing.

GAS MONITORING

Unless otherwise stated gas monitoring is carried out using a GA2000 infra red gas detector. The gases monitored for and levels noted are recorded and plotted on the relevant test data sheets. Unless stated otherwise no monitoring is carried out for gas pressure or to calculate gas flow rates.

ROUTINE SAMPLING

Undisturbed samples of predominantly cohesive soils are obtained in a 102mm diameter open-drive sampler, complying with the requirements of the British Standard Code of Practice B.S. 5930. Large disturbed samples of granular soils, or of soils in which undisturbed sampling is not possible or appropriate, are taken from the boring tools and sealed into polythene bags. Small disturbed samples are taken at frequent intervals and sealed into 0.5 kg glass jars or polythene bags for subsequent visual classification. Where encountered in sufficient quantity, samples of groundwater are taken.

Unless otherwise stated in the main text, disturbed soil samples may not be at their natural water content.

REPORT ON A SITE INVESTIGATION

FOR PROPOSED RESIDENTIAL / COMERCIAL DEVELOPMENT AT PARKGATE STREET, DUBLIN ON BEHALF OF ARUP, CONSULTING ENGINEERS

REPORT NO. 8483 / 2

MARCH 2003

LINTRODUCTION

The proposed development site is located in the Hickeys commercial warehousing facility located off Parkgate Street in Dublin.

An investigation of sub-soil conditions was ordered by the projects consulting engineers , Arup Ireland, on behalf of their clients, Hickey & Company.

The programme of the investigation included,

- ✓ The construction of eight exploratory boreholes .
- ✓ The drilling of four rotary coreholes.
- ✓ The installation of six groundwater monitoring standpipes.
- ✓ The drilling of sixteen window sample holes using a Terrier 1000.
- ✓ The carrying out of laboratory soils testing (Geotechnical & Environmental) as specified by the projects engineers.

The project report has been subdivided into two sections. This document is Volume 2 of the main SI report and contains Geochem Report No. 02 – B02182 (Containing window sample test results and one groundwater sample (30 nr tests).

Volume 1 of the ground investigation report details all of the factual information pertaining to this investigation

CERTIFICATE OF ANALYSIS

Client: Irish Geotechnical Services Ltd (Newbridge)
 Industrial Estate
 Newbridge
 Co. Kildare
 Ireland

Attention: Neil Hannaway

Date: 28 January, 2003

Our Reference: 02-B02182

Your Reference: Hickeys Fabrics

Location:

A total of 44 samples was received for analysis on Thursday, 16 January 2003. We are pleased to enclose our final report, it was a pleasure to be of service to you, and we look forward to our continuing association.

Signed

P.P. Horne mc abeans

Ken Scally
 Site Manager

Compiled By

Dylan Hafin

Table 11
 Dissolved
 Inorganic
 Trace Elements

ALcontrol Laboratories Ireland Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Turnaround: 5 days

Detection Method UKAS Accredited	P / V	Other ID	Sample Identity	ALcontrol Reference	Arsenic Low Level							ICP ✓
					CV AA	DR LANGE	butch std	GC	GC	GCMS	GCMS	
Dissolved Arsenic Low Level in NRA Leachate**												
02-B02182-S0007-A01	WS1 0.5m	UNKNOWN	Amber Jar	02-B02182-S0007-A01	-	-	-	-	-	-	-	-
02-B02182-S0008-A01	WS1 1.5m	UNKNOWN	Amber Jar	02-B02182-S0008-A01	-	-	-	-	-	-	-	-
02-B02182-S0009-A01	WS1 2.5m	UNKNOWN	Amber Jar	02-B02182-S0009-A01	-	-	-	-	-	-	-	-
02-B02182-S0010-A01	WS1 3.5m	UNKNOWN	Amber Jar	02-B02182-S0010-A01	-	-	-	-	-	-	-	-
02-B02182-S0011-A01	WS2 0.5-1.0m	UNKNOWN	Amber Jar	02-B02182-S0011-A01	-	-	-	-	-	-	-	-
02-B02182-S0012-A01	WS2 1.5-2.0m	UNKNOWN	Amber Jar	02-B02182-S0012-A01	-	-	-	-	-	-	-	-
02-B02182-S0013-A01	WS2 1.5-2.0m	UNKNOWN	Amber Jar	02-B02182-S0013-A01	-	-	-	-	-	-	-	-
02-B02182-S0014-A01	WS2 3.0m	UNKNOWN	Amber Jar	02-B02182-S0014-A01	-	-	-	-	-	-	-	-
02-B02182-S0015-A01	WS2 4.0m	UNKNOWN	Glass Bottle	02-B02182-S0015-A01	-	-	-	-	-	-	-	-
02-B02182-S0016-A01	WS2 4.0m	UNKNOWN	Amber Jar	02-B02182-S0016-A01	-	-	-	-	-	-	-	-
02-B02182-S0017-A01	WS3 0.5m	UNKNOWN	Glass Bottle	02-B02182-S0017-A01	-	-	-	-	-	-	-	-
02-B02182-S0018-A01	WS3 1.5-2.0m	UNKNOWN	Amber Jar	02-B02182-S0018-A01	-	-	-	-	-	-	-	-
02-B02182-S0019-A01	WS4 1.5-2.0	UNKNOWN	Glass Bottle	02-B02182-S0019-A01	-	-	-	-	-	-	-	-
02-B02182-S0020-A01	WS4 1.5-2.0	UNKNOWN	Amber Jar	02-B02182-S0020-A01	-	-	-	-	-	-	-	-
02-B02182-S0021-A01	WS5 0.5-1.0m	UNKNOWN	Volatile Vial	02-B02182-S0021-A01	-	-	-	-	-	-	-	-
02-B02182-S0022-A01	WS5 0.5-1.0m	UNKNOWN	Amber Jar	02-B02182-S0022-A01	-	-	-	-	-	-	-	-
02-B02182-S0023-A01	WS5 1.5-2.0m	UNKNOWN	Amber Jar	02-B02182-S0023-A01	-	-	-	-	-	-	-	-

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

Checked By _____

ALcontrol Laboratories Ltd

Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Turnaround: 5 days

Sample Type: SOIL

Location:

Client Ref: Hickey's Fabrics

ALcontrol Reference	Sample Identity	Other ID	P / V	Client Ref: Hickey's Fabrics									
				CV / AA	DR LANGE	BUTCH STD	GC	GC	GCMS	GCMS	GFM	GFM	ICP
02-B02182-S0022-A01	WS5 2.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0023-A01	WS5 2.0m	UNKNOWN	Amber Jar	-	X	-	-	-	-	-	-	-	-
02-B02182-S0024-A01	WS5 4.5-5.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0025-A01	WS5 4.5-5.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0026-A08	WS6 1.5-2.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0026-A01	WS6 1.5-2.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0026-A02	WS6 1.5-2.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0026-A01	WS7 1.0-1.5m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0026-A01	WS7 1.0-1.5m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0026-A01	WS7 3.5-4.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0026-A01	WS7 4.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0031-A02	WS10 4.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0032-A01	WS10 0.5-1.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0032-A01	WS10 0.5-1.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0032-A01	WS10 3.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0035-A01	WS10 4.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0035-A02	WS11 0.5-1.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0035-A01	WS11 0.5-1.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0035-A02	WS11 3.5-4.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0035-A01	WS11 3.5-4.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

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Page 3 of 171

ALcontrol Laboratories Ltd

Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Sample Type: SOIL

Location:

Client Ref: Hickey's Fabrics

ALcontrol Reference	Sample Identity	Other ID	P / V	Client Ref: Hickey's Fabrics									
				CV / AA	DR LANGE	BUTCH STD	GC	GC	GCMS	GCMS	GFM	GFM	ICP
02-B02182-S0038-A08	WS11 3.5-4.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0039-A01	WS11 4.5-5.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0040-A01	WS12 0.5-1.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0040-A02	WS12 0.5-1.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0042-A01	WS12 3.5-4.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0042-A02	WS12 3.5-4.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0043-A01	WS12 4.5-5.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0043-A02	WS12 4.5-5.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0044-A09	WS13 0.5-1.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0045-A01	WS13 1.5-2.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0046-A01	WS13 3.5-4.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0047-A01	WS13 3.5-4.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0048-A01	WS14 0.5-1.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0049-A08	WS14 0.5-1.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0050-A08	WS14 2.5-3.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-
02-B02182-S0051-A01	WS14 2.5-3.0m	UNKNOWN	Amber Jar	-	-	-	-	-	-	-	-	-	-
02-B02182-S0051-A01	WS15 0.5-1.0m	UNKNOWN	Volatile Vial	-	-	-	-	-	-	-	-	-	-

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

Checked By _____

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Page 4 of 171

ALcontrol Laboratories Ireland

Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Turnaround: 5 days

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickey's Fabrics

Detection Method UKAS Accredited	P / V	Other ID	Sample Identity	ALcontrol Reference	NRA Leachate Test							
					ICP USN	ICP	ICP	KONE	KONE	KONE	METER	NRA
UNKNOWN	UNKNOWN	UNKNOWN	WS15 3.5-4.0m	02-B02182-S003-AD1	-	-	-	-	-	-	-	-
UNKNOWN	UNKNOWN	UNKNOWN	WS15 3.5-4.0m	02-B02182-S003-AD2	-	-	-	-	-	-	-	-
UNKNOWN	UNKNOWN	UNKNOWN	WS16 0.5-1.0m	02-B02182-S005-AD1	-	-	-	-	-	-	-	-
UNKNOWN	UNKNOWN	UNKNOWN	WS16 1.5-2.0m	02-B02182-S005-AD2	-	-	-	-	-	-	-	-
UNKNOWN	UNKNOWN	UNKNOWN	WS16 3.5-4.0m	02-B02182-S005-AD1	-	-	-	-	-	-	-	-
UNKNOWN	UNKNOWN	UNKNOWN	WS16 3.5-4.0m	02-B02182-S005-AD2	-	-	-	-	-	-	-	-
UNKNOWN	UNKNOWN	UNKNOWN	WS16 1.5-2.0m	02-B02182-S005-AD1	-	-	-	-	-	-	-	-
UNKNOWN	UNKNOWN	UNKNOWN	WS16 1.5-2.0m	02-B02182-S005-AD2	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS15 3.5-4.0m	02-B02182-S003-AD1	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS15 3.5-4.0m	02-B02182-S003-AD2	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 0.5-1.0m	02-B02182-S005-AD1	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 1.5-2.0m	02-B02182-S005-AD2	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 3.5-4.0m	02-B02182-S005-AD1	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 3.5-4.0m	02-B02182-S005-AD2	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 1.5-2.0m	02-B02182-S005-AD1	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 1.5-2.0m	02-B02182-S005-AD2	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 1.5-2.0m	02-B02182-S005-AD1	-	-	-	-	-	-	-	-
Amber Jar	Volatile Vial	Amber Jar	WS16 1.5-2.0m	02-B02182-S005-AD2	-	-	-	-	-	-	-	-

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

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• SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

Page 9 of 171

ALcontrol Laboratories Ireland
Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Turnaround: 5 days

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickey's Fabrics

Detection Method UKAS Accredited	P / V	Other ID	Sample Identity	ALcontrol Reference	NRA Leachate Test							
					ICP USN	ICP	ICP	KONE	KONE	KONE	METER	NRA
WS1 0.5m	UNKNOWN	UNKNOWN	WS1 0.5m	02-B02182-S007-AD1	-	-	-	-	-	-	-	-
WS1 1.5m	UNKNOWN	UNKNOWN	WS1 1.5m	02-B02182-S008-AD1	-	-	-	-	-	-	-	-
WS1 2.5m	UNKNOWN	UNKNOWN	WS1 3.5m	02-B02182-S009-AD1	-	-	-	-	-	-	-	-
WS2 0.5-1.0m	UNKNOWN	UNKNOWN	WS2 0.5-1.0m	02-B02182-S010-AD1	-	-	-	-	-	-	-	-
WS2 1.5-2.0m	UNKNOWN	UNKNOWN	WS2 1.5-2.0m	02-B02182-S011-AD1	-	-	-	-	-	-	-	-
WS2 1.5-2.0m	UNKNOWN	UNKNOWN	WS2 1.5-2.0m	02-B02182-S013-AD2	-	-	-	-	-	-	-	-
WS2 3.0m	UNKNOWN	UNKNOWN	WS2 3.0m	02-B02182-S013-AD2	-	-	-	-	-	-	-	-
WS2 4.0m	UNKNOWN	UNKNOWN	WS2 4.0m	02-B02182-S014-AD1	-	-	-	-	-	-	-	-
WS3 0.5m	UNKNOWN	UNKNOWN	WS3 0.5m	02-B02182-S015-AD1	-	-	-	-	-	-	-	-
WS3 1.5-2.0m	UNKNOWN	UNKNOWN	WS3 1.5-2.0m	02-B02182-S016-AD2	-	-	-	-	-	-	-	-
WS3 1.5-2.0m	UNKNOWN	UNKNOWN	WS3 1.5-2.0m	02-B02182-S017-AD1	-	-	-	-	-	-	-	-
WS3 1.5-2.0m	UNKNOWN	UNKNOWN	WS3 1.5-2.0m	02-B02182-S017-AD2	-	-	-	-	-	-	-	-
WS3 1.5-2.0m	UNKNOWN	UNKNOWN	WS3 1.5-2.0m	02-B02182-S018-AD1	-	-	-	-	-	-	-	-
WS4 1.5-2.0	UNKNOWN	UNKNOWN	WS4 1.5-2.0	02-B02182-S019-AD1	-	-	-	-	-	-	-	-
WS4 1.5-2.0	UNKNOWN	UNKNOWN	WS4 1.5-2.0	02-B02182-S019-AD2	-	-	-	-	-	-	-	-
WS5 0.5-1.0m	UNKNOWN	UNKNOWN	WS5 0.5-1.0m	02-B02182-S021-AD1	-	-	-	-	-	-	-	-
WS5 1.5-2.0m	UNKNOWN	UNKNOWN	WS5 1.5-2.0m	02-B02182-S021-AD2	-	-	-	-	-	-	-	-
WS5 1.5-2.0m	UNKNOWN	UNKNOWN	WS5 1.5-2.0m	02-B02182-S022-AD1	-	-	-	-	-	-	-	-

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

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Page 10 of 171

ALcontrol Laboratories Ltd

Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Tumaround: 5 days

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickies Fabrics

Detection Method UKAS Accredited	Other ID	Sample Identity	P / V						Client Ref: Hickies Fabrics	NRA Leachate Test
			ICP USN	ICP USN	ICP USN	IR	KONE	KONE		
02-B02182-S002-A01		WS5 2.0m	UNKNOWN	Volatile Vial	Amber Jar					
02-B02182-S002-A07		WS5 2.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A01		WS5 4.5-5.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A01		WS5 4.5-5.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A08		WS5 4.5-5.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A01		WS6 1.5-2.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A02		WS6 1.5-2.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A01		WS7 1.0-1.5m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A08		WS7 1.0-1.5m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A01		WS7 3.5-4.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S001-A01		WS7 4.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S001-A01		WS8 0.5-1.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S002-A08		WS10 0.5-1.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S003-A01		WS10 3.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S003-A01		WS10 4.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S003-A01		WS10 4.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S003-A02		WS11 0.5-1.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S003-A01		WS11 0.5-1.0m	UNKNOWN	Amber Jar	Amber Jar					
02-B02182-S003-A01		WS11 3.5-4.0m	UNKNOWN	Amber Jar	Amber Jar					

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

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Page 11 of 171

* SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

ALcontrol Laboratories Ltd

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Tumaround: 5 days

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickies Fabrics

NRA Leachate Test

pH of NRA Leachate

Conductivity in NRA Leachate

Sulphate in NRA Leachate

ortho Phosphate in NRA Leachate

Nitrite in NRA Leachate

Nitrate in NRA Leachate

Fluoride in NRA Leachate**

Chloride in NRA Leachate

Ammoniacal Nitrogen in NRA Leachate

Total Organic Carbon in NRA Leachate

Dissolved Zinc Low Level in NRA Leachate

Dissolved Nickel Low Level in NRA Leachate

Dissolved Molybdenum Low Level in NRA Leachate

NRA Leachate Test

pH of NRA Leachate

Conductivity in NRA Leachate

Sulphate in NRA Leachate

ortho Phosphate in NRA Leachate

Nitrite in NRA Leachate

Nitrate in NRA Leachate

Fluoride in NRA Leachate**

Chloride in NRA Leachate

Ammoniacal Nitrogen in NRA Leachate

Total Organic Carbon in NRA Leachate

Dissolved Zinc Low Level in NRA Leachate

Dissolved Nickel Low Level in NRA Leachate

Dissolved Molybdenum Low Level in NRA Leachate

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

Printed at 11:11 on 27/01/2003

Page 12 of 171

ALcontrol Laboratories Irⁿ-and Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Turnaround: 5 days

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickeys Fabrics

ALcontrol Reference	Sample Identity	Other ID	P / V	Free Cyanide in NRA Leachate		Chromium VI in NRA Leachate	
				Detection Method UKAS Accredited	SPECTRO	SPECTRO	SPECTRO
02-B02182-S0023-A01	WS5 2.0m	UNKNOWN	Volatile Vial				
02-B02182-S0023-A02	WS5 2.0m	UNKNOWN	Amber Jar	X			
02-B02182-S0024-A01	WS5 4.5-5.0m	UNKNOWN	Amber Jar				
02-B02182-S0025-A01	WS5 4.5-5.0m	UNKNOWN	Amber Jar				
02-B02182-S0026-A01	WS5 4.5-5.0m	UNKNOWN	Amber Jar				
02-B02182-S0026-A02	WS5 1.5-2.0m	UNKNOWN	Volatile Vial				
02-B02182-S0026-A03	WS6 1.5-2.0m	UNKNOWN	Amber Jar				
02-B02182-S0026-A04	WS6 1.5-2.0m	UNKNOWN	Volatile Vial				
02-B02182-S0028-A02	WS7 1.0-1.5m	UNKNOWN	Volatile Vial				
02-B02182-S0028-A03	WS7 1.0-1.5m	UNKNOWN	Amber Jar				
02-B02182-S0030-A01	WS7 3.5-4.0m	UNKNOWN	Volatile Vial				
02-B02182-S0030-A02	WS7 3.5-4.0m	UNKNOWN	Amber Jar				
02-B02182-S0031-A01	WS7 4.0m	UNKNOWN	Volatile Vial				
02-B02182-S0032-A01	WS8 0.5-1.0m	UNKNOWN	Amber Jar				
02-B02182-S0032-A02	WS8 0.5-1.0m	UNKNOWN	Volatile Vial				
02-B02182-S0034-A01	WS9 1.0-1.5m	UNKNOWN	Amber Jar				
02-B02182-S0035-A01	WS10 4.0m	UNKNOWN	Volatile Vial				
02-B02182-S0035-A02	WS10 4.0m	UNKNOWN	Amber Jar				
02-B02182-S0036-A01	WS11 0.5-1.0m	UNKNOWN	Volatile Vial				
02-B02182-S0036-A02	WS11 0.5-1.0m	UNKNOWN	Amber Jar				
02-B02182-S0038-A01	WS11 3.5-4.0m	UNKNOWN	Volatile Vial				

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

Checked By _____

Printed at 11:11 on 27/01/2003

Page 15 of 171

* SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

ALcontrol Laboratories Irⁿ-and Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Turnaround: 5 days

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickeys Fabrics

ALcontrol Reference	Sample Identity	Other ID	Free Cyanide in NRA Leachate		Chromium VI in NRA Leachate	
			Detection Method UKAS Accredited	SPECTRO	SPECTRO	SPECTRO
02-B02182-S0039-A01	WS11 3.5-4.0m	UNKNOWN	Volatile Vial			
02-B02182-S0039-A02	WS11 4.5-5.0m	UNKNOWN	Amber Jar			
02-B02182-S0040-A01	WS12 0.5-1.0m	UNKNOWN	Volatile Vial			
02-B02182-S0040-A02	WS12 0.5-1.0m	UNKNOWN	Amber Jar			
02-B02182-S0042-A01	WS12 3.5-4.0m	UNKNOWN	Volatile Vial			
02-B02182-S0042-A02	WS12 3.5-4.0m	UNKNOWN	Amber Jar			
02-B02182-S0043-A01	WS13 4.5-5.0m	UNKNOWN	Volatile Vial			
02-B02182-S0044-A01	WS13 0.5-1.0m	UNKNOWN	Volatile Vial			
02-B02182-S0044-A02	WS13 0.5-1.0m	UNKNOWN	Amber Jar			
02-B02182-S0044-A03	WS13 1.5-2.0m	UNKNOWN	Volatile Vial			
02-B02182-S0044-A04	WS13 3.5-4.0m	UNKNOWN	Amber Jar			
02-B02182-S0046-A02	WS13 3.5-4.0m	UNKNOWN	Volatile Vial			
02-B02182-S0047-A01	WS14 4.5-5.0m	UNKNOWN	Amber Jar			
02-B02182-S0047-A02	WS14 4.5-5.0m	UNKNOWN	Volatile Vial			
02-B02182-S0048-A01	WS14 0.5-1.0m	UNKNOWN	Amber Jar			
02-B02182-S0049-A01	WS14 0.5-1.0m	UNKNOWN	Volatile Vial			
02-B02182-S0049-A02	WS14 2.5-3.0m	UNKNOWN	Amber Jar			
02-B02182-S0050-A02	WS14 2.5-3.0m	UNKNOWN	Volatile Vial			
02-B02182-S0051-A01	WS15 0.5-1.0m	UNKNOWN	Amber Jar			
02-B02182-S0051-A02	WS15 0.5-1.0m	UNKNOWN	Volatile Vial			

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

Checked By _____

Printed at 11:11 on 27/01/2003

Page 16 of 171

* SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

ALcontrol Laboratories Ltd and

Test Schedule

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

Turnaround: 5 days

Sample Type: WATER

Location:

Client Contact: Neil Hannaway

Client Ref: Hickey's Fabrics

Detection Method	ICP USN	ICP USN	ICP USN	Turnaround: 5 days	
				Dissolved Zinc Low Level	Dissolved Nickel Low Level
P / V					
Other ID					
Sample Identity					
ALcontrol Reference	BH1 3.5m	UNKNOWN	Glass Bottle	X	

Notes : NUMERIC VALUES INDICATE ADDITIONAL SCHEDULING

Checked By _____

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Page 19 of 171

ALcontrol Laboratories Ltd and

Table Of Results

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003
(of first sample)

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickey's Fabrics

Total Xylene

Ethylbenzene

Toluene

Benzene

Petrol Range Organics C10+

Petrol Range Organics C4-C10

DRO Interpretation of NRA Leachate

Mineral Oil by GC in NRA Leachate

Diesel Range Organics in NRA Leachate

DRO Interpretation of NRA Leachate

Mineral Oil by GC

Diesel Range Organics

Surfactants in NRA Leachate

Dissolved Mercury Low in NRA Leachate**

Other ID

Sample Identity

ALcontrol Reference

NDP = NO DETERMINATION POSSIBLE
NFP = NO FIBRES PRESENT

Dylan Halpin

Checked By _____

* SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

Printed at 09:32 on 28/01/2003

Page 20 of 171

Table Of Results

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

(of first sample)

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickneys Fabrics

ALcontrol Reference	Sample Identity	Other ID	Chrysene in NRA Leachate											
			GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS
02-B02182-S0032	WS7 4.0m	UNKNOWN	105	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
02-B02182-S0032	WS10 0.5-1.0m	UNKNOWN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
02-B02182-S0034	WS10 3.0m	UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
02-B02182-S0035	WS10 4.0m	UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
02-B02182-S0036	WS11 0.5-1.0m	UNKNOWN	665	417	254	280	15704	-	-	-	-	-	-	-
02-B02182-S0036	WS11 3.5-4.0m	UNKNOWN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
02-B02182-S0038	WS11 4.5-5.0m	UNKNOWN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
02-B02182-S0039	WS11 4.5-5.0m	UNKNOWN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
02-B02182-S0040	WS12 0.5-1.0m	UNKNOWN	66	87	54	54	1210	-	-	-	-	-	-	-
02-B02182-S0040	WS12 3.5-4.0m	UNKNOWN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
02-B02182-S0043	WS12 4.5-5.0m	UNKNOWN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
02-B02182-S0044	WS13 0.5-1.0m	UNKNOWN	25	23	6	20	457	-	-	-	-	<10	<10	<10
02-B02182-S0049	WS13 1.5-2.0m	UNKNOWN	271	278	163	311	4730	<10	<10	<10	<10	<10	<10	<10
02-B02182-S0049	WS13 3.5-4.0m	UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
02-B02182-S0047	WS13 3.5-5.0m	UNKNOWN	86	59	27	50	1198	-	-	<10	<10	<10	<10	<10
02-B02182-S0049	WS14 0.5-1.0m	UNKNOWN	61	53	12	46	755	-	-	-	-	-	-	-
02-B02182-S0049	WS14 1.5-2.0m	UNKNOWN	25	19	23	17	505	-	-	-	-	-	-	-
02-B02182-S0049	WS14 2.5-3.0m	UNKNOWN	64	47	8	44	1668	-	-	-	-	-	-	-
02-B02182-S0051	WS15 0.5-1.0m	UNKNOWN	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
02-B02182-S0051	WS15 3.5-4.0m	UNKNOWN	15	16	4	14	317	-	-	-	-	-	-	-
02-B02182-S0054	WS16 0.5-1.0m	UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-

Notes : METHOD DETECTION LIMITS ARE NOT ALWAYS ACHIEVABLE DUE TO VARIOUS CIRCUMSTANCES BEYOND OUR CONTROL.

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Interim

Validated

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Printed at 09:32 on 28/01/2003

Interim

Validated

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Checked By Dylan Halpin

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Table Of Results

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickneys Fabrics

ALcontrol Reference	Sample Identity	Other ID	Chrysene in NRA Leachate											
			GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS
02-B02182-S0055	WS16 1.5-2.0m	UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
02-B02182-S0056	WS16 3.5-4.0m	UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-
02-B02182-S0057	WS16 1.5-2.0m	UNKNOWN	-	-	-	-	-	-	-	-	-	-	-	-

Notes : METHOD DETECTION LIMITS ARE NOT ALWAYS ACHIEVABLE DUE TO VARIOUS CIRCUMSTANCES BEYOND OUR CONTROL.

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Checked By Dylan Halpin

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Table Of Results

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003
(of first sample)

Sample Type: SOIL

Location:

Client Contact: Neil Hannaway

Client Ref: Hickey's Fabrics

Detection Method	KONE		KONE		KONE		KONE		SPECTRO		SPECTRO	
	METER	<0.5mg/l	<0.3mg/l	<0.05mg/l	<0.3mg/l	<0.03mg/l	<0.03mg/l	<0.03mg/l	naph Unit	<0.03mg/l	<0.05mg/l	<0.05mg/l
Method Detection Limit												
UKAS Accredited	✓		✓		✓		✓		✓		✓	
Other ID												
Sample Identity												
ALcontrol Reference	WS16 - 02-B02182-S0055	UNKNOWN	WS16 - 02-B02182-S0056	UNKNOWN	WS16 - 02-B02182-S0057	UNKNOWN	WS16 - 02-B02182-S0058	UNKNOWN				

Notes : METHOD DETECTION LIMITS ARE NOT ALWAYS ACHIEVABLE DUE TO VARIOUS CIRCUMSTANCES BEYOND OUR CONTROL

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Page 37 of 171

Checked By Dylan Halpin

Subcontracted to other laboratory / ** Subcontracted to ALCONTROL CHESTER

Table Of Results

Sample Type: WATER

Location:

Client Contact: Neil Hannaway

Client Ref: Hickey's Fabrics

Detection Method	GC		GC		GC		GC		GCMS		GCMS	
	METER	<0.05mg/l	<100ug/l	n/a	<100ug/l	<100ug/l	<100ug/l	<100ug/l	n/a	<100ug/l	<100ug/l	<100ug/l
Method Detection Limit												
UKAS Accredited	✓		✓		✓		✓		✓		✓	
Other ID												
Sample Identity												
ALcontrol Reference	02-B02182-S0006	UNKNOWN	02-BH1 3.5m									

Notes : METHOD DETECTION LIMITS ARE NOT ALWAYS ACHIEVABLE DUE TO VARIOUS CIRCUMSTANCES BEYOND OUR CONTROL

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Page 38 of 171

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• SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

Dylan Halpin

Table Of Results

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

(or first sample)

Sample Type: WATER

Location:

Client Contact: Neil Hannaway

Client Ref: Hickies Fabrics

Sample Identity	Other ID	Chrysene												Client Ref: Hickies Fabrics
		GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	GCMS	
02-B02182-S0006	BH1_3.5m	UNKNOWN	<10 ¹	Benzo(ghi)perylene										
														Dibenzo(ah)anthracene
														Indeno(123cd)pyrene
														Benzo(a)pyrene
														Benzo(k)fluoranthene
														Benzo(b)fluoranthene
														Pyrene
														Anthracene
														Phenanthrene
														Fluoranthene
														Acenaphthene
														Acenaphthylene
														Other ID
														Sample Identity
														ALcontrol Reference

Notes : METHOD DETECTION LIMITS ARE NOT ALWAYS ACHIEVABLE DUE TO VARIOUS CIRCUMSTANCES BEYOND OUR CONTROL.

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Checked By Dylan Halpin

Dylan Halpin

Page 39 of 171

• SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

ALcontrol Laboratories Ltd

Table Of Results

Ref Number: 02-B02182

Client: Irish Geotechnical Services Ltd (Newbridge)

Date of Receipt: 16/01/2003

(or first sample)

Sample Type: WATER

Location:

Client Contact: Neil Hannaway

Client Ref: Hickies Fabrics

Sample Identity	Other ID	Total 16 EPA PAHs												Client Ref: Hickies Fabrics
		GCMS	Hydride I/A	ICP	ICP USN									
02-B02182-S0006	BH1_3.5m	UNKNOWN	<10	<5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	Notes : METHOD DETECTION LIMITS ARE NOT ALWAYS ACHIEVABLE DUE TO VARIOUS CIRCUMSTANCES BEYOND OUR CONTROL.
														NDP = NO DETERMINATION POSSIBLE
														NFP = NO FIBRES PRESENT

Notes : METHOD DETECTION LIMITS ARE NOT ALWAYS ACHIEVABLE DUE TO VARIOUS CIRCUMSTANCES BEYOND OUR CONTROL.

NDP = NO DETERMINATION POSSIBLE

NFP = NO FIBRES PRESENT

Checked By Dylan Halpin

• SUBCONTRACTED TO OTHER LABORATORY / ** SUBCONTRACTED TO ALCONTROL CHESTER

Dylan Halpin

~~Hickey's Geotechnical Services~~
by
G.C.

Client Name Irish Geotechnical Services Ltd
 Client Ref Hickey's Fabrics
 Sample Matrix Soil

Job Number 02-B02182
 Date Extracted/Prepared 6/1/03
 Date Analysed 7/1/03

Separatory Funnel Ext No
 Soxtec Extraction No
 Column Extraction No

Sample number	Sample Identity	Depth	Diesel Range Hydrocarbons (mg/kg)	Interpretation
S0007	WS1	0.50	747	Possible lube oil
S0009	WS1	2.50	296	Possible lube oil
S0010	WS1	3.50	< 1	No Identification Possible
S0011	WS2	0.5-1.0	7090	Biodegraded diesel
S0013	WS2	1.5-2.0	< 1	No Identification Possible
S0015	WS2	4.00	3967	Biodegraded diesel
S0016	WS3	0.50	231	Possible (PAH'S)
S0019	WS4	1.5-2.0	< 1	No Identification Possible
S0023	WS5	2.00	< 1	No Identification Possible
S0025	WS5	4.5-5.0	242	Biodegraded diesel
S0028	WS7	1.0-1.5	< 1	No Identification Possible
S0032	WS10	0.5-1.0	< 1	No Identification Possible
S0038	WS11	3.5-4.0	< 1	No Identification Possible
S0044	WS13	0.5-1.0	< 1	No Identification Possible
S0049	WS14	0.5-1.0	< 1	No Identification Possible
S0051	WS15	0.5-1.0	< 1	No Identification Possible
S0054	WS16	0.5-1.0	< 1	No Identification Possible
S0057	WS8	1.5-2.0	< 1	No Identification Possible

Checked by L. Hickey Analyst

Page 41 of 171

Client Name Irish Geotechnical Services Ltd
 Client Ref Hickey's Fabrics
 Sample Matrix Soil

Job Number 02-B02182
 Date Extracted/Prepared 6/1/03
 Date Analysed 7/1/03

Separatory Funnel Ext No
 Soxtec Extraction No
 Column Extraction No

Sample number	Sample Identity	Depth	Mineral Oil (mg/kg)	Interpretation
S0007	WS1	0.50	597	Possible lube oil
S0009	WS1	2.50	237	Possible lube oil
S0010	WS1	3.50	< 1	No Identification Possible
S0011	WS2	0.5-1.0	4609	Biodegraded diesel
S0013	WS2	1.5-2.0	< 1	No Identification Possible
S0015	WS2	4.00	2578	Biodegraded diesel
S0016	WS3	0.50	< 1	Possible (PAH'S)
S0019	WS4	1.5-2.0	< 1	No Identification Possible
S0023	WS5	2.00	< 1	No Identification Possible
S0025	WS5	4.5-5.0	157	Biodegraded diesel
S0028	WS7	1.0-1.5	< 1	No Identification Possible
S0032	WS10	0.5-1.0	< 1	No Identification Possible
S0038	WS11	3.5-4.0	< 1	No Identification Possible
S0044	WS13	0.5-1.0	< 1	No Identification Possible
S0049	WS14	0.5-1.0	< 1	No Identification Possible
S0051	WS15	0.5-1.0	< 1	No Identification Possible
S0054	WS16	0.5-1.0	< 1	No Identification Possible
S0057	WS8	1.5-2.0	< 1	No Identification Possible

Checked by L. Hickey Analyst

~~Confidential~~
Diesel Range Organics

by
G.C.

Client Name IGSL,
Client Ref Hickeys Fabric
Sample Matrix Soil

Job Number 02-B02182
Date Extracted/Prepared 20/1/03
Date Analysed 23/1/03

Separatory Funnel Ext No
Soxtec Extraction No
Column Extraction No

Sample number	Sample Identity	Depth	Diesel Range Hydrocarbons (mg/kg)	Interpretation
017	WS3	1.5-2.0	21	No Identification Possible
034	WS10	3.00	< 1	No Identification Possible
036	WS11	0.5-1.0	28	No Identification Possible
039	WS11	4.5-5.0	< 1	No Identification Possible
040	WS12	0.5-1.0	99	Naturally Occuring Products
042	WS12	3.5-4.0	370	Naturally Occuring Products
043	WS12	4.5-5.0	< 1	No Identification Possible
045	WS13	1.5-2.0	33	No Identification Possible
047	WS13	4.5-5.0	450	Naturally Occuring Products
050	WS14	2.5-3.0	< 1	No Identification Possible
053	WS15	3.5-4.0	< 1	No Identification Possible

Checked by L. Meekins

Page 43 of 171

Client Name IGSL,
Client Ref Hickeys Fabric
Sample Matrix Soil

Job Number 02-B02182
Date Extracted/Prepared 20/1/03
Date Analysed 23/1/03

Separatory Funnel Ext No
Soxtec Extraction No
Column Extraction No

Sample number	Sample Identity	Depth	Mineral Oil (mg/kg)	Interpretation
017	WS3	1.5-2.0	1	No Identification Possible
034	WS10	3.00	< 1	No Identification Possible
036	WS11	0.5-1.0	1	No Identification Possible
039	WS11	4.5-5.0	< 1	No Identification Possible
040	WS12	0.5-1.0	5	Naturally Occuring Products
042	WS12	3.5-4.0	18	Naturally Occuring Products
043	WS12	4.5-5.0	< 1	No Identification Possible
045	WS13	1.5-2.0	2	No Identification Possible
047	WS13	4.5-5.0	22	Naturally Occuring Products
050	WS14	2.5-3.0	< 1	No Identification Possible
053	WS15	3.5-4.0	< 1	No Identification Possible

Checked by L. Meekins

[REDACTED] Diesel Range Organics

by
G.C.

Client Name Irish Geotechnical Services
Client Ref Hickeys Fabrics
Sample Matrix Water

Job Number 02-B02182
Date Extracted/Prepared 2/1/03
Date Analysed 7/1/03

Separatory Funnel Ext Yes
Soxtec Extraction No
Column Extraction Yes

Sample number	Sample Identity	Depth	Diesel Range Hydrocarbons (µg/litre)	Interpretation
S0006	BH1	3.50	5239	Possible gasoline residues

Checked by A. [REDACTED]

Page 46 of 171

Client Name Irish Geotechnical Services
Client Ref Hickeys Fabrics
Sample Matrix Water

Job Number 02-B02182
Date Extracted/Prepared 2/1/03
Date Analysed 7/1/03

Separatory Funnel Ext Yes
Soxtec Extraction No
Column Extraction Yes

Sample number	Sample Identity	Depth	Mineral Oil (µg/litre)	Interpretation
S0006	BH1	3.50	2881	Possible gasoline residues

Checked by H. [REDACTED]

Irish Geotechnical Services Ltd
Client Ref Hickeys Fabric
Sample Matrix Leachate

by
G.C.

Client Name Irish Geotechnical Services Ltd
Client Ref Hickeys Fabric
Sample Matrix Leachate

Job Number 02-B02182
Date Extracted/Prepared 9/1/02
Date Analysed 10/1/02

Separatory Funnel Ext Yes
Soxtec Extraction No
Column Extraction Yes

Sample number	Sample Identity	Depth	Diesel Range Hydrocarbons (µg/litre)	Interpretation
S0008	WS1	1.50	<10	No Identification Possible
S0014	WS2	3.00	<10	No Identification Possible
S0018	WS3	0.5-1.0	<10	No Identification Possible
S0022	WS5	1.5-2.0	<10	No Identification Possible
S0024	WS5	4.5-5.0	<10	No Identification Possible
S0045	WS13	1.5-2.	<10	No Identification Possible
S0048	WS14	0.5-1.0	181	Possible Biodegraded Diesel
S0055	WS16	1.5-2.0	<10	No Identification Possible

Checked by Pauline Egan

Page 47 of 171

Client Name Irish Geotechnical Services Ltd
Client Ref Hickeys Fabric
Sample Matrix Leachate

Job Number 02-B02182
Date Extracted/Prepared 9/1/02
Date Analysed 10/1/02

Separatory Funnel Ext Yes
Soxtec Extraction No
Column Extraction Yes

Sample number	Sample Identity	Depth	Mineral Oil (µg/litre)	Interpretation
S0008	WS1	1.50	<10	No Identification Possible
S0014	WS2	3.00	<10	No Identification Possible
S0018	WS3	0.5-1.0	<10	No Identification Possible
S0022	WS5	1.5-2.0	<10	No Identification Possible
S0024	WS5	4.5-5.0	<10	No Identification Possible
S0045	WS13	1.5-2.	<10	No Identification Possible
S0048	WS14	0.5-1.0	118	Possible Biodegraded Diesel
S0055	WS16	1.5-2.0	<10	No Identification Possible

Checked by Pauline Egan

Geochem Analytical Services

Gasoline Range Organics

By

GC

Job No: DUB-02-B02182
 Client: Irish Geotechnical Services Ltd
 Client Ref: Hickeys Farris
 Matrix: Soil
 Units: µg/kg

Sample No	Sample Ref	Depth m/ft	Total C4-C10	Total C10+
S0007	WS1	0.5	<10	<10
S0009	WS1	2.5	<10	<10
S0010	WS1	3.5	<10	<10
S0011	WS2	0.5-1.0	<10	106357
S0013	WS2	1.5-2.0	<10	<10
S0015	WS2	4.0	<10	40913
S0016	WS3	0.5	<10	<10
S0019	WS4	1.5-2.0	<10	<10
S0023	WS5	2.0	<10	<10
S0025	WS5	4.5-5.0	<10	<10
S0028	WS7	1.0-1.5	<10	<10
S0032	WS10	0.5-1.0	<10	<10
S0038	WS11	3.5-4.0	<10	<10
S0044	WS13	0.5-1.0	<10	<10
S0049	WS14	0.5-1.0	<10	<10
S0051	WS15	0.5-1.0	<10	<10
S0054	WS16	0.5-1.0	<10	<10
S0057	WS8	1.5-2.0	<10	<10

Checked by Dante Marley

Geochem Analytical Services

BTEX (MTBE) Analysis

By

G.C.

Job No: DUB-02-B02182
 Client: Irish Geotechnical Services Ltd
 Client Ref: Hickeys Farris
 Matrix: Soil
 Units: µg/kg

Smpl No	Sample Ref	Depth m/ft	MTBE	Benzenc	Toluenc	Ethyl Benzene	Total Xylene
S0007	WS1	0.50	<10	<10	<10	<10	<10
S0009	WS1	2.50	<10	<10	<10	<10	<10
S0010	WS1	3.50	<10	<10	<10	<10	<10
S0011	WS2	0.5-1.0	<10	<10	<10	<10	<10
S0013	WS2	1.5-2.0	<10	<10	<10	<10	<10
S0015	WS2	4.00	<10	<10	<10	<10	<10
S0016	WS3	0.50	<10	<10	<10	<10	<10
S0019	WS4	1.5-2.0	<10	<10	<10	<10	<10
S0023	WS5	2.00	<10	<10	<10	<10	<10
S0025	WS5	4.5-5.0	<10	<10	<10	<10	<10
S0028	WS7	1.0-1.5	<10	<10	<10	<10	<10
S0032	WS10	0.5-1.0	<10	<10	<10	<10	<10
S0038	WS11	3.5-4.0	<10	<10	<10	<10	<10
S0044	WS13	0.5-1.0	<10	<10	<10	<10	<10
S0049	WS14	0.5-1.0	<10	<10	<10	<10	<10
S0051	WS15	0.5-1.0	<10	<10	<10	<10	<10
S0054	WS16	0.5-1.0	<10	<10	<10	<10	<10
S0057	WS8	1.5-2.0	<10	<10	<10	<10	<10

Checked by Dante Marley

Geochem Analytical Services

Gasoline Range Organics

By

GC

Job No: DUB-02-B02182

Client: Irish Geotechnical Services Ltd.

Client Ref: Hickeys Fabrics

Matrix: Soil

Units: µg/kg

Sample No	Sample Ref	Depth m/ft	Total C4-C10	Total C10+
S0017	WS3	1.5-2.0	<10	<10
S0034	WS10	3.0	<10	<10
S0036	WS11	0.5-1.0	<10	<10
S0039	WS11	4.5-5.0	<10	<10
S0040	WS12	0.5-1.0	<10	<10
S0042	WS12	3.5-4.0	<10	<10
S0043	WS12	4.5-5.0	<10	<10
S0045	WS13	1.5-2.0	<10	<10
S0047	WS13	4.5-5.0	<10	<10
S0050	WS14	2.5-3.0	<10	<10
S0053	WS15	3.5-4.0	<10	<10

Checked by.....S. Scieszka.....

Geochem Analytical Services

BTEX (MTBE) Analysis

By

G.C.

Job No: DUB-02-B02182

Client: Irish Geotechnical Services Ltd.

Client Ref: Hickeys Fabrics

Matrix: Soil

Units: µg/kg

Smpl No	Sample Ref	Depth m/ft	MTBE	Benzene	Toluenc	Ethyl Benzene	Total Xylene
S0017	WS3	1.5-2.0	<10	<10	<10	<10	<10
S0034	WS10	3.00	<10	<10	<10	<10	<10
S0036	WS11	0.5-1.0	<10	<10	<10	<10	<10
S0039	WS11	4.5-5.0	<10	<10	<10	<10	<10
S0040	WS12	0.5-1.0	<10	<10	<10	<10	<10
S0042	WS12	3.5-4.0	<10	<10	<10	<10	<10
S0043	WS12	4.5-5.0	<10	<10	<10	<10	<10
S0045	WS13	1.5-2.0	<10	<10	<10	<10	<10
S0047	WS13	4.5-5.0	<10	<10	<10	<10	<10
S0050	WS14	2.5-3.0	<10	<10	<10	<10	<10
S0053	WS15	3.5-4.0	<10	<10	<10	<10	<10

Checked by.....S. Scieszka.....

Geochem Analytical Services

Gasoline Range Organics

By

GC

Job No: DUB-02-B02182
Client: Irish Gotechnical Services Ltd
Client Ref: Hickeys Fabrics
Matrix: Water
Units: µg/l

Sample No	Sample Ref	Depth m/ft	Total C4-C10	Total C10+
S0006	BH1	3.5	19027	118331

Checked by Nicole Marley

Job Number: DUB-02-B02182

Geochem Analytical Services

BTEX (MTBE) Analysis

By

G.C.

Job No: DUB-02-B02182
Client: Irish Gotechnical Services Ltd
Client Ref: Hickeys Fabrics
Matrix: Water
Units: µg/l

Smpl No	Sample Ref	Depth m/ft	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylene
S0006	BH1	3.5	<10	<10	<10	<10	<10

Checked by Nicole Marley

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0007WS1 0.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	87
208-96-8	Acenaphthylene	51
83-32-9	Acenaphthene	38
86-73-7	Fluorene	29
85-01-8	Phenanthrene	532
120-12-7	Anthracene	92
206-44-0	Fluoranthene	791
129-00-0	Pyrene	766
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	454
218-01-9	Chrysene	586
205-99-2	Benzo(b)fluoranthene	739
207-08-9	Benzo(k)fluoranthene	332
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	325
193-39-5	Indeno(123cd)pyrene	380
53-70-3	Dibenz(a,h)anthracene	88
191-24-2	Benzo(ghi)perylene	319
191-26-4	Anthanthrene	<1
Total of 16 PAH's		5608

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0009 WS1 2.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenz(a,h)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0010 WS1 3.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenz(a,h)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0011 WS2 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	517
208-96-8	Acenaphthylene	118
83-32-9	Acenaphthene	184
86-73-7	Fluorene	434
85-01-8	Phenanthrene	1063
120-12-7	Anthracene	352
206-44-0	Fluoranthene	831
129-00-0	Pyrene	1112
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	383
218-01-9	Chrysene	575
205-99-2	Benzo(b)fluoranthene	420
207-08-9	Benzo(k)fluoranthene	156
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	221
193-39-5	Indeno(123cd)pyrene	181
53-70-3	Dibenz(a,h)anthracene	58
191-24-2	Benzo(ghi)perylene	170
191-26-4	Anthanthrene	<1
Total of 16 PAH's		6775

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0013 WS2 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	33
208-96-8	Acenaphthylene	15
83-32-9	Acenaphthene	15
86-73-7	Fluorene	6
85-01-8	Phenanthrene	80
120-12-7	Anthracene	26
206-44-0	Fluoranthene	108
129-00-0	Pyrene	98
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	128
218-01-9	Chrysene	139
205-99-2	Benzo(b)fluoranthene	168
207-08-9	Benzo(k)fluoranthene	80
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	91
193-39-5	Indeno(123cd)pyrene	95
53-70-3	Dibenzo(ah)anthracene	29
191-24-2	Benzo(ghi)perylene	73
191-26-4	Anthanthrene	<1
Total of 16 PAH's		1184

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0015 WS2 4.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenzo(ah)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0016 WS3 0.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	189
208-96-8	Acenaphthylene	124
83-32-9	Acenaphthene	94
86-73-7	Fluorene	89
85-01-8	Phenanthrene	1504
120-12-7	Anthracene	296
206-44-0	Fluoranthene	3042
129-00-0	Pyrene	2811
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	1645
218-01-9	Chrysene	1841
205-99-2	Benzo(b)fluoranthene	2106
207-08-9	Benzo(k)fluoranthene	1161
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	1577
193-39-5	Indeno(123cd)pyrene	1215
53-70-3	Dibenzo(ah)anthracene	268
191-24-2	Benzo(ghi)perylene	1000
191-26-4	Anthanthrene	<1
Total of 16 PAH's		18961

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0019 WS4 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	61
208-96-8	Acenaphthylene	71
83-32-9	Acenaphthene	60
86-73-7	Fluorene	55
85-01-8	Phenanthrene	795
120-12-7	Anthracene	198
206-44-0	Fluoranthene	1312
129-00-0	Pyrene	1228
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	729
218-01-9	Chrysene	811
205-99-2	Benzo(b)fluoranthene	1131
207-08-9	Benzo(k)fluoranthene	367
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	671
193-39-5	Indeno(123cd)pyrene	580
53-70-3	Dibenzo(ah)anthracene	131
191-24-2	Benzo(ghi)perylene	455
191-26-4	Anthanthrene	<1
Total of 16 PAH's		8654

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0023 WS5 2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benz(b)fluoranthene	<1
207-08-9	Benz(k)fluoranthene	<1
192-97-2	Benz(e)pyrene	<1
50-32-8	Benz(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenz(a,h)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0025 WS5 4.5-5.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	39
208-96-8	Acenaphthylene	7
83-32-9	Acenaphthene	7
86-73-7	Fluorene	40
85-01-8	Phenanthrene	54
120-12-7	Anthracene	10
206-44-0	Fluoranthene	12
129-00-0	Pyrene	27
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	16
218-01-9	Chrysene	10
205-99-2	Benz(b)fluoranthene	<1
207-08-9	Benz(k)fluoranthene	<1
192-97-2	Benz(e)pyrene	<1
50-32-8	Benz(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenz(a,h)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		223

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0028 WS7 1.0-1.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	29
120-12-7	Anthracene	5
206-44-0	Fluoranthene	16
129-00-0	Pyrene	13
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	21
218-01-9	Chrysene	18
205-99-2	Benzo(b)fluoranthene	11
207-08-9	Benzo(k)fluoranthene	4
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	7
193-39-5	Indeno(123cd)pyrene	6
53-70-3	Dibenz(a,h)anthracene	2
191-24-2	Benzo(ghi)perylene	6
191-26-4	Anthanthrene	<1
Total of 16 PAH's		139

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0032 WS10 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	24
208-96-8	Acenaphthylene	25
83-32-9	Acenaphthene	3
86-73-7	Fluorene	8
85-01-8	Phenanthrene	275
120-12-7	Anthracene	44
206-44-0	Fluoranthene	283
129-00-0	Pyrene	236
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	159
218-01-9	Chrysene	192
205-99-2	Benzo(b)fluoranthene	194
207-08-9	Benzo(k)fluoranthene	91
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	106
193-39-5	Indeno(123cd)pyrene	111
53-70-3	Dibenz(a,h)anthracene	15
191-24-2	Benzo(ghi)perylene	95
191-26-4	Anthanthrene	<1
Total of 16 PAH's		1860

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0038 WS11 3.5-4.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenzo(ah)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0044 WS13-0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	66
120-12-7	Anthracene	14
206-44-0	Fluoranthene	77
129-00-0	Pyrene	60
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	58
218-01-9	Chrysene	50
205-99-2	Benzo(b)fluoranthene	33
207-08-9	Benzo(k)fluoranthene	24
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	25
193-39-5	Indeno(123cd)pyrene	23
53-70-3	Dibenzo(ah)anthracene	6
191-24-2	Benzo(ghi)perylene	20
191-26-4	Anthanthrene	<1
Total of 16 PAH's		457

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0049 WS14 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

CAS Number	Compound	Concentration
91-20-3	Naphthalene	12
208-96-8	Acenaphthylene	11
83-32-9	Acenaphthene	1
86-73-7	Fluorene	4
85-01-8	Phenanthrene	55
120-12-7	Anthracene	18
206-44-0	Fluoranthene	71
129-00-0	Pyrene	61
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	110
218-01-9	Chrysene	106
205-99-2	Benzo(b)fluoranthene	98
207-08-9	Benzo(k)fluoranthene	37
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	61
193-39-5	Indeno(123cd)pyrene	53
53-70-3	Dibenz(a,h)anthracene	12
191-24-2	Benzo(ghi)perylene	46
191-26-4	Anthanthrene	<1
Total of 16 PAH's		755

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0051 WS15 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

CAS Number	Compound	Concentration
91-20-3	Naphthalene	43
208-96-8	Acenaphthylene	14
83-32-9	Acenaphthene	6
86-73-7	Fluorene	9
85-01-8	Phenanthrene	405
120-12-7	Anthracene	69
206-44-0	Fluoranthene	270
129-00-0	Pyrene	213
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	173
218-01-9	Chrysene	162
205-99-2	Benzo(b)fluoranthene	94
207-08-9	Benzo(k)fluoranthene	47
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	64
193-39-5	Indeno(123cd)pyrene	47
53-70-3	Dibenz(a,h)anthracene	8
191-24-2	Benzo(ghi)perylene	44
191-26-4	Anthanthrene	<1
Total of 16 PAH's		1668

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0008 WS1 1.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Leachate
 Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenzo(ah)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0054 WS16 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	13
208-96-8	Acenaphthylene	3
83-32-9	Acenaphthene	3
86-73-7	Fluorene	4
85-01-8	Phenanthrene	53
120-12-7	Anthracene	11
206-44-0	Fluoranthene	34
129-00-0	Pyrene	30
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	33
218-01-9	Chrysene	41
205-99-2	Benzo(b)fluoranthene	33
207-08-9	Benzo(k)fluoranthene	11
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	15
193-39-5	Indeno(123cd)pyrene	16
53-70-3	Dibenzo(ah)anthracene	4
191-24-2	Benzo(ghi)perylene	14
191-26-4	Anthanthrene	<1
Total of 16 PAH's		317

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0057 WS8 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenzo(ah)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0017 WS3 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

CAS Number	Compound	Concentration
91-20-3	Naphthalene	66
208-96-8	Acenaphthylene	46
83-32-9	Acenaphthene	65
86-73-7	Fluorene	37
85-01-8	Phenanthrene	720
120-12-7	Anthracene	238
206-44-0	Fluoranthene	1118
129-00-0	Pyrene	1097
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	712
218-01-9	Chrysene	654
205-99-2	Benzo(b)fluoranthene	662
207-08-9	Benzo(k)fluoranthene	503
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	510
193-39-5	Indeno(123cd)pyrene	400
53-70-3	Dibenzo(ah)anthracene	153
191-24-2	Benzo(ghi)perylene	326
191-26-4	Anthanthrene	<1
Total of 16 PAH's		7305

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0034 WS10 3.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenz(a,h)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0036 WS11 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	79
208-96-8	Acenaphthylene	337
83-32-9	Acenaphthene	98
86-73-7	Fluorene	293
85-01-8	Phenanthrene	2706
120-12-7	Anthracene	970
206-44-0	Fluoranthene	2344
129-00-0	Pyrene	1746
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	1190
218-01-9	Chrysene	890
205-99-2	Benzo(b)fluoranthene	831
207-08-9	Benzo(k)fluoranthene	602
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	666
193-39-5	Indeno(123cd)pyrene	417
53-70-3	Dibenz(a,h)anthracene	254
191-24-2	Benzo(ghi)perylene	280
191-26-4	Anthanthrene	<1
Total of 16 PAH's		13704

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0039 WS11 4.5-5.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenz(a,h)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem**19 PAH Analysis**

Sample Identity - DUB-02-B02182-S0040 WS12 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	162
208-96-8	Acenaphthylene	10
83-32-9	Acenaphthene	5
86-73-7	Fluorene	12
85-01-8	Phenanthrene	188
120-12-7	Anthracene	59
206-44-0	Fluoranthene	74
129-00-0	Pyrene	107
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	94
218-01-9	Chrysene	103
205-99-2	Benzo(b)fluoranthene	54
207-08-9	Benzo(k)fluoranthene	80
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	66
193-39-5	Indeno(123cd)pyrene	87
53-70-3	Dibenz(a,h)anthracene	54
191-24-2	Benzo(ghi)perylene	54
191-26-4	Anthanthrene	<1
Total of 16 PAH's		1210

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0042 WS12 3.5-4.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenzo(ah)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0043 WS12 4.5-5.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenzo(ah)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0045 WS13 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	19
208-96-8	Acenaphthylene	82
83-32-9	Acenaphthene	10
86-73-7	Fluorene	41
85-01-8	Phenanthrene	726
120-12-7	Anthracene	205
206-44-0	Fluoranthene	704
129-00-0	Pyrene	527
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	353
218-01-9	Chrysene	421
205-99-2	Benzo(b)fluoranthene	348
207-08-9	Benzo(k)fluoranthene	270
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	271
193-39-5	Indeno(123cd)pyrene	278
53-70-3	Dibenzo(ah)anthracene	163
191-24-2	Benzo(ghi)perylene	311
191-26-4	Anthanthrene	<1
Total of 16 PAH's		4730

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0047 WS13 4.5-5.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	154
208-96-8	Acenaphthylene	10
83-32-9	Acenaphthene	7
86-73-7	Fluorene	9
85-01-8	Phenanthrene	161
120-12-7	Anthracene	59
206-44-0	Fluoranthene	67
129-00-0	Pyrene	86
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	113
218-01-9	Chrysene	108
205-99-2	Benzo(b)fluoranthene	114
207-08-9	Benzo(k)fluoranthene	89
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	84
193-39-5	Indeno(123cd)pyrene	59
53-70-3	Dibenzo(ab)anthracene	27
191-24-2	Benzo(ghi)perylene	50
191-26-4	Anthanthrene	<1
Total of 16 PAH's		1198

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0050 WS14 2.5-3.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	17
208-96-8	Acenaphthylene	4
83-32-9	Acenaphthene	4
86-73-7	Fluorene	5
85-01-8	Phenanthrene	90
120-12-7	Anthracene	27
206-44-0	Fluoranthene	54
129-00-0	Pyrene	52
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	67
218-01-9	Chrysene	50
205-99-2	Benzo(b)fluoranthene	30
207-08-9	Benzo(k)fluoranthene	21
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	25
193-39-5	Indeno(123cd)pyrene	19
53-70-3	Dibenzo(ah)anthracene	23
191-24-2	Benzo(ghi)perylene	17
191-26-4	Anthanthrene	<1
Total of 16 PAH's		505

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0053 WS15 3.5-4.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<1
208-96-8	Acenaphthylene	<1
83-32-9	Acenaphthene	<1
86-73-7	Fluorene	<1
85-01-8	Phenanthrene	<1
120-12-7	Anthracene	<1
206-44-0	Fluoranthene	<1
129-00-0	Pyrene	<1
27208-37-3	Cyclopenta(cd)pyrene	<1
56-55-3	Benz(a)anthracene	<1
218-01-9	Chrysene	<1
205-99-2	Benzo(b)fluoranthene	<1
207-08-9	Benzo(k)fluoranthene	<1
192-97-2	Benzo(e)pyrene	<1
50-32-8	Benzo(a)pyrene	<1
193-39-5	Indeno(123cd)pyrene	<1
53-70-3	Dibenzo(ah)anthracene	<1
191-24-2	Benzo(ghi)perylene	<1
191-26-4	Anthanthrene	<1
Total of 16 PAH's		<1

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0006 BH1 3.5m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Water
 Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenzo(ah)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0014 WS2 3.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Leachate
 Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenzo(ah)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0018 WS3 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services/Leachate
 Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenzo(ah)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0022 WS5 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Leachate
 Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenzo(ab)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0024 WS5 4.0-5.0

Client / Sample matrix - Irish Geotechnical Services Ltd/Leachate

Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenzo(ah)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0045 WS13 1.5-2.0

Client / Sample matrix - Irish Geotechnical Services Ltd/Leachate

Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenzo(ah)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0048 WS14 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Leachate
 Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenz(a,h)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

ALcontrol Geochem

19 PAH Analysis

Sample Identity - DUB-02-B02182-S0055 WS16 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services/Leachate
 Units - ng/l

CAS Number	Compound	Concentration
91-20-3	Naphthalene	<10
208-96-8	Acenaphthylene	<10
83-32-9	Acenaphthene	<10
86-73-7	Fluorene	<10
85-01-8	Phenanthrene	<10
120-12-7	Anthracene	<10
206-44-0	Fluoranthene	<10
129-00-0	Pyrene	<10
27208-37-3	Cyclopenta(cd)pyrene	<10
56-55-3	Benz(a)anthracene	<10
218-01-9	Chrysene	<10
205-99-2	Benzo(b)fluoranthene	<10
207-08-9	Benzo(k)fluoranthene	<10
192-97-2	Benzo(e)pyrene	<10
50-32-8	Benzo(a)pyrene	<10
193-39-5	Indeno(123cd)pyrene	<10
53-70-3	Dibenz(a,h)anthracene	<10
191-24-2	Benzo(ghi)perylene	<10
191-26-4	Anthanthrene	<10
Total of 16 PAH's		<10

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0006 BH1 3.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 6 Jan 2003 23:07

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromoform	<1
67-66-3	Chloroform	13
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	<1
56-23-5	Carbontetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	<1
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0006 BH1 3.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Water

Units - µg/l

Compound	Retention Time min	Concentration µg/l
C11-C13 hydrocarbon fraction	8.00-24.00	4933880

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0007 WS1 0.5m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 00:18

Instrument Name - Instrumen

CAS No.	Compound	Conc.	CAS No.	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	<1
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	<1	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	scc-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	<1	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0007 WS1 0.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0009 WS1 2.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 00:53

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromoform	<1
67-66-3	Chloroform	<1
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	<1
56-23-5	Carbotetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	<1
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0009 WS1 2.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0010 WS1 3.5m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 1:28

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromoform	<1
67-66-3	Chloroform	<1
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	<1
56-23-5	Carbontetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	<1
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0010 WS1 3.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0011 WS2 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - $\mu\text{g}/\text{kg}$

Date Acquired - 7 Jan 2003 2:03

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	5
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	3
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	5
71-43-2	Benzene	8	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbotetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	4	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0011 WS2 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

Compound	Retention Time min	Concentration $\mu\text{g}/\text{kg}$
C11-C13 hydrocarbon fraction*	12.50-24.00	71990

*includes identified peaks

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0013 WS2 1.5-2.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Date Acquired - 7 Jan 2003 2:39

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromochloromethane	<1
67-66-3	Chloroform	<1
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	<1
56-23-5	Carbontetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	<1
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0013 WS2 1.5-2.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0015 WS2 4.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - $\mu\text{g}/\text{kg}$

Date Acquired - 7 Jan 2003 3:14

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromoform	<1
67-66-3	Chloroform	<1
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	13
56-23-5	Carbontetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	11
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0015 WS2 4.0m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - $\mu\text{g}/\text{kg}$

Compound	Retention Time min	Concentration $\mu\text{g}/\text{kg}$
C11-C13 hydrocarbon fraction	15.50-24.00	37590

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0016 WS3 0.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 3:49

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromoform	<1
67-66-3	Chloroform	<1
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	<1
56-23-5	Carbontetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	<1
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0016 WS3 0.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0019 WS4 1.5-2.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 4:24

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	<1
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromoform	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	<1	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	<1	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0019 WS4 1.5-2.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0023 WS5 2.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 9:06

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	<1
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromo(chloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	7	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	8	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0023 WS5 2.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0028 WS7 1.0-1.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 8:31

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	4
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	5
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	13	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	10	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0028 WS7 1.0-1.5m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0032 WS10 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - $\mu\text{g}/\text{kg}$

Date Acquired - 7 Jan 2003 6:45

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	5
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	8	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	8	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0032 WS10 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

Compound	Retention Time min	Concentration $\mu\text{g}/\text{kg}$
no compounds detected		<1

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0038 WS11 3.5-4.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 10:52

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromoform	<1
67-66-3	Chloroform	<1
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	18
56-23-5	Carbontetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	27
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0038 WS11 3.5-4.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0044 WS13 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 10:16

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	<1
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	3	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	scc-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	4	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0044 WS13 0.5-1.0m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Alcontrol Geochem

VOC Tentatively Identified Compounds

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0049 WS14 0.5-1.0m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 7:20

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	<1
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	<1	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbotetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	<1	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Sample Identity - B02182-S0049 WS14 0.5-1.0m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	RetentionTime min	Concentration µg/kg
no compounds detected		<1

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0051 WS15 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 9:41

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	2
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	10
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	4
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromo-chloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	16	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	16	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromo-chloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0051 WS15 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0054 WS16 0.5-1.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - $\mu\text{g}/\text{kg}$

Date Acquired - 7 Jan 2003 6:10

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	2
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	13
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	7
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	3
71-43-2	Benzene	25	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	22	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0054 WS16 0.5-1.0m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - $\mu\text{g}/\text{kg}$

Compound	Retention Time min	Concentration $\mu\text{g}/\text{kg}$
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0057 WS8 1.5-2.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 4:59

Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	<1
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromoform	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	18	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-8	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	10	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0057 WS8 1.5-2.0m

Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - Spiked Blank
Client / Sample matrix - Spiked Blank/Water
 Units - $\mu\text{g/l}$
 Date Acquired - 2 Jan 2003 19:37
 Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1	106-93-4	1,2-Dibromoethane	<1
74-87-3	Chloromethane	<1	127-18-4	Tetrachloroethene	<1
75-01-4	Vinyl Chloride	<1	630-20-6	1,1,1,2-Tetrachloroethane	<1
74-83-9	Bromomethane	<1	108-90-7	Chlorobenzene	<1
75-00-3	Chloroethane	<1	100-41-4	Ethylbenzene	<1
75-69-4	Trichlorofluoromethane	<1	108-38-3*	p/m-Xylene	<1
156-60-5	trans-1,2-Dichloroethene	<1	75-25-2	Bromoform	<1
75-09-2	Dichloromethane	<1	100-42-5	Styrene	<1
75-15-0	Carbon disulphide	<1	79-34-5	1,1,2,2-Tetrachloroethane	<1
75-35-4	1,1-Dichloroethene	<1	95-47-6	o-Xylene	<1
75-34-3	1,1-Dichloroethane	<1	96-18-4	1,2,3-Trichloropropane	<1
1634-04-4	tert-butyl methyl ether	<1	98-82-8	Isopropylbenzene	<1
156-59-2	cis-1,2-Dichloroethene	<1	108-86-1	Bromobenzene	<1
74-97-5	Bromochloromethane	<1	95-49-8	2-Chlorotoluene	<1
67-66-3	Chloroform	<1	103-65-1	Propylbenzene	<1
594-20-7	2,2-Dichloropropane	<1	106-43-4	4-Chlorotoluene	<1
107-06-2	1,2-Dichloroethane	<1	95-63-6	1,2,4-Trimethylbenzene	<1
71-55-6	1,1,1-Trichloroethane	<1	99-87-6	4-Isopropyltoluene	<1
563-58-6	1,1-Dichloropropene	<1	108-67-8	1,3,5-Trimethylbenzene	<1
71-43-2	Benzene	<1	541-73-1	1,3-Dichlorobenzene	<1
56-23-5	Carbontetrachloride	<1	106-46-7	1,4-Dichlorobenzene	<1
74-95-3	Dibromomethane	<1	135-98-9	sec-Butylbenzene	<1
78-87-5	1,2-Dichloropropane	<1	98-06-6	tert-Butylbenzene	<1
75-27-4	Bromodichloromethane	<1	95-50-1	1,2-Dichlorobenzene	<1
79-01-6	Trichloroethene	<1	104-51-8	n-Butylbenzene	<1
10061-01-5	cis-1,3-Dichloropropene	<1	96-12-8	1,2-Dibromo-3-chloropropane	<1
10061-02-6	trans-1,3-Dichloropropene	<1	120-82-1	1,2,4-Trichlorobenzene	<1
79-00-5	1,1,2-Trichloroethane	<1	91-20-3	Naphthalene	<1
108-88-3	Toluene	<1	87-61-6	1,2,3-Trichlorobenzene	<1
142-28-9	1,3-Dichloropropane	<1	87-68-3	Hexachlorobutadiene	<1
124-48-1	Dibromochloromethane	<1			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - 500ppb VOC
Client / Sample matrix - Calibration Std/Water
 Units - $\mu\text{g/l}$
 Date Acquired - 2 Jan 2003 17:51
 Instrument Name - Instrumen

CAS No	Compound	Conc.	CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	512	106-93-4	1,2-Dibromoethane	497
74-87-3	Chloromethane	524	127-18-4	Tetrachloroethene	491
75-01-4	Vinyl Chloride	504	630-20-6	1,1,1,2-Tetrachloroethane	513
74-83-9	Bromomethane	517	108-90-7	Chlorobenzene	529
75-00-3	Chloroethane	515	100-41-4	Ethylbenzene	510
75-69-4	Trichlorofluoromethane	502	108-38-3*	p/m-Xylene	1051
156-60-5	trans-1,2-Dichloroethene	503	75-25-2	Bromoform	510
75-09-2	Dichloromethane	519	100-42-5	Styrene	509
75-15-0	Carbon disulphide	513	79-34-5	1,1,2,2-Tetrachloroethane	524
75-35-4	1,1-Dichloroethene	500	95-47-6	o-Xylene	523
75-34-3	1,1-Dichloroethane	504	96-18-4	1,2,3-Trichloropropane	533
1634-04-4	tert-butyl methyl ether	524	98-82-8	Isopropylbenzene	517
156-59-2	cis-1,2-Dichloroethene	505	108-86-1	Bromobenzene	529
74-97-5	Bromochloromethane	495	95-49-8	2-Chlorotoluene	515
67-66-3	Chloroform	516	103-65-1	Propylbenzene	523
594-20-7	2,2-Dichloropropane	491	106-43-4	4-Chlorotoluene	523
107-06-2	1,2-Dichloroethane	518	95-63-6	1,2,4-Trimethylbenzene	515
71-55-6	1,1,1-Trichloroethane	498	99-87-6	4-Isopropyltoluene	520
563-58-6	1,1-Dichloropropene	498	108-67-8	1,3,5-Trimethylbenzene	523
71-43-2	Benzene	509	541-73-1	1,3-Dichlorobenzene	531
56-23-5	Carbontetrachloride	499	106-46-7	1,4-Dichlorobenzene	496
74-95-3	Dibromomethane	506	135-98-8	sec-Butylbenzene	477
78-87-5	1,2-Dichloropropane	506	98-06-6	tert-Butylbenzene	474
75-27-4	Bromodichloromethane	499	95-50-1	1,2-Dichlorobenzene	492
79-01-6	Trichloroethene	504	104-51-8	n-Butylbenzene	476
10061-01-5	cis-1,3-Dichloropropene	481	96-12-8	1,2-Dibromo-3-chloropropane	491
10061-02-6	trans-1,3-Dichloropropene	481	120-82-1	1,2,4-Trichlorobenzene	476
79-00-5	1,1,2-Trichloroethane	514	91-20-3	Naphthalene	475
108-88-3	Toluene	493	87-61-6	1,2,3-Trichlorobenzene	485
142-28-9	1,3-Dichloropropane	506	87-68-3	Hexachlorobutadiene	487
124-48-1	Dibromochloromethane	504			

N.B. * also CAS No. 106-42-3

** Water blank subtracted

Alcontrol Geochem

Volatile Organic Compounds (EPA 624/8260)

Sample Identity - B02182-S0025 WSS 4.5-5.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Date Acquired - 7 Jan 2003 5:35

Instrument Name - Instrumen

CAS No	Compound	Conc.
75-71-8	Dichlorodifluoromethane	<1
74-87-3	Chloromethane	<1
75-01-4	Vinyl Chloride	<1
74-83-9	Bromomethane	<1
75-00-3	Chloroethane	<1
75-69-4	Trichlorofluoromethane	<1
156-60-5	trans-1,2-Dichloroethene	<1
75-09-2	Dichloromethane	<1
75-15-0	Carbon disulphide	<1
75-35-4	1,1-Dichloroethene	<1
75-34-3	1,1-Dichloroethane	<1
1634-04-4	tert-butyl methyl ether	<1
156-59-2	cis-1,2-Dichloroethene	<1
74-97-5	Bromochloromethane	<1
67-66-3	Chloroform	<1
594-20-7	2,2-Dichloropropane	<1
107-06-2	1,2-Dichloroethane	<1
71-55-6	1,1,1-Trichloroethane	<1
563-58-6	1,1-Dichloropropene	<1
71-43-2	Benzene	4
56-23-5	Carbontetrachloride	<1
74-95-3	Dibromomethane	<1
78-87-5	1,2-Dichloropropane	<1
75-27-4	Bromodichloromethane	<1
79-01-6	Trichloroethene	<1
10061-01-5	cis-1,3-Dichloropropene	<1
10061-02-6	trans-1,3-Dichloropropene	<1
79-00-5	1,1,2-Trichloroethane	<1
108-88-3	Toluene	4
142-28-9	1,3-Dichloropropane	<1
124-48-1	Dibromochloromethane	<1

N.B. * also CAS No. 106-42-3

** Water blank subtracted

VOC Tentatively Identified Compounds

Sample Identity - B02182-S0025 WS5 4.5-5.0m
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil

Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
no compounds detected		<1

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0006 BH1 3.5

Client / Sample matrix - Irish Geotechnical Services Ltd/Water

Units - µg/l

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<1	207-08-9	Benzo(k)fluoranthrene	<1
95-57-8	2-Chlorophenol	<1	50-32-8	Benzo(a)pyrene	<1
95-48-7	2-Methylphenol	<1	193-39-5	Indeno(1,2,3-cd)pyrene	<1
106-44-5	4-Methylphenol	<1	53-70-3	Dibenzo(a,h)anthracene	<1
88-75-5	2-Nitrophenol	<1	191-24-2	Benzo(ghi)perylene	<1
100-02-7	4-Nitrophenol	<1	91-58-7	2-Chloronaphthalene	<1
120-83-2	2,4-Dichlorophenol	<1	91-57-6	2-Methylnaphthalene	<1
105-67-9	2,4-Dimethylphenol	<1	86-74-8	Carbazole	<1
59-50-7	4-Chloro-3-methylphenol	<1	78-59-1	Isophorone	<1
88-06-2	2,4,6-Trichlorophenol	<1	132-64-9	Dibenzofuran	<1
95-95-4	2,4,5-Trichlorophenol	<1	131-11-3	Dimethyl phthalate	<1
87-86-5	Pentachlorophenol	<1	84-66-2	Diethyl phthalate	<1
541-73-1	1,3-Dichlorobenzene	<1	84-74-2	Di-n-butylphthalate	<1
106-46-7	1,4-Dichlorobenzene	<1	117-84-0	Di-n-octylphthalate	<1
95-50-1	1,2-Dichlorobenzene	<1	117-81-7	Bis(2-ethylhexyl)phthalate	<1
120-82-1	1,2,4-Trichlorobenzene	<1	85-68-7	Butylbenzylphthalate	<1
98-95-3	Nitrobenzene	<1	106-47-8	4-Chloroaniline	<1
103-33-3	Azobenzene	<1	88-74-4	2-Nitroaniline	<1
118-74-1	Hexachlorobenzene	<1	99-09-2	3-Nitroaniline	<1
91-20-3	Naphthalene	<1	100-01-6	4-Nitroaniline	<1
208-96-8	Acenaphthylene	<1	121-14-2	2,4-Dinitrotoluene	<1
83-32-9	Acenaphthene	<1	606-20-2	2,6-Dinitrotoluene	<1
86-73-7	Fluorene	<1	111-44-4	Bis(2-chloroethyl)ether	<1
85-01-8	Phenanthrene	<1	101-55-3	4-Bromophenylphenylether	<1
120-12-7	Anthracene	<1	7005-72-3	4-Chlorophenylphenylether	<1
206-44-0	Fluoranthrene	<1	67-72-1	Hexachloroethane	<1
129-00-0	Pyrene	<1	87-68-3	Hexachlorobutadiene	<1
56-55-3	Benzo(a)anthracene	<1	77-47-4	Hexachlorocyclopentadiene	<1
218-01-9	Chrysene	<1	111-91-1	Bis(2-chloroethoxy)methane	<1
205-99-2	Benzo(b)fluoranthrene	<1	621-64-7	N-nitrosodi-n-propylamine	<1

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0006 BH1 3.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Water
 Units - µg/l

Compound	Retention Time min	Concentration µg/l
C9-C14 Hydrocarbons	-	2650

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0007 WS1 0.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0007 WS1 0.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0009 WS1 2.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenzo(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	<100
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	<100
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	<100	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	<100	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	<100	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	<100	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	<100	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	<100	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds

SVOC

Sample Identity - DUB-02-B02182-S0009 WS1 2.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0010 WS1 3.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

CAS No	Compound	Conc.
207-08-9	Benzo(k)fluoranthrene	<100
50-32-8	Benzo(a)pyrene	<100
193-39-5	Indeno(1,2,3-cd)pyrene	<100
53-70-3	Dibenzo(a,h)anthracene	<100
191-24-2	Benzo(ghi)perylene	<100
91-58-7	2-Chloronaphthalene	<100
91-57-6	2-Methylnaphthalene	<100
86-74-8	Carbazole	<100
78-59-1	Isophorone	<100
132-64-9	Dibenzofuran	<100
131-11-3	Dimethyl phthalate	<100
84-66-2	Diethyl phthalate	<100
84-74-2	Di-n-butylphthalate	<100
117-84-0	Di-n-octylphthalate	<100
117-81-7	Bis(2-ethylhexyl)phthalate	<100
85-68-7	Butylbenzylphthalate	<100
106-47-8	4-Chloroaniline	<100
88-74-4	2-Nitroaniline	<100
99-09-2	3-Nitroaniline	<100
100-01-6	4-Nitroaniline	<100
121-14-2	2,4-Dinitrotoluene	<100
606-20-2	2,6-Dinitrotoluene	<100
111-44-4	Bis(2-chloroethyl)ether	<100
101-55-3	4-Bromophenylphenylether	<100
7005-72-3	4-Chlorophenylphenylether	<100
67-72-1	Hexachloroethane	<100
87-68-3	Hexachlorobutadiene	<100
77-47-4	Hexachlorocyclopentadiene	<100
111-91-1	Bis(2-chloroethoxy)methane	<100
621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0010 WS1 3.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0011 WS2 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenz(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	1406
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	<100
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	599	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	1116	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	754	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	1270	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	340	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	465	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthrene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0011 WS2 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
C10-C28 Hydrocarbons	-	14500

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0013 WS2 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

CAS No	Compound	Conc.
207-08-9	Benzo(k)fluoranthrene	<100
50-32-8	Benzo(a)pyrene	<100
193-39-5	Indeno(1,2,3-cd)pyrene	<100
53-70-3	Dibenzo(a,h)anthracene	<100
191-24-2	Benzo(ghi)perylene	<100
91-58-7	2-Chloronaphthalene	<100
91-57-6	2-Methylnaphthalene	<100
86-74-8	Carbazole	<100
78-59-1	Isophorone	<100
132-64-9	Dibenzofuran	<100
131-11-3	Dimethyl phthalate	<100
84-66-2	Diethyl phthalate	<100
84-74-2	Di-n-butylphthalate	<100
117-84-0	Di-n-octylphthalate	<100
117-81-7	Bis(2-ethylhexyl)phthalate	<100
85-68-7	Butylbenzylphthalate	<100
106-47-8	4-Chloroaniline	<100
88-74-4	2-Nitroaniline	<100
99-09-2	3-Nitroaniline	<100
100-01-6	4-Nitroaniline	<100
121-14-2	2,4-Dinitrotoluene	<100
606-20-2	2,6-Dinitrotoluene	<100
111-44-4	Bis(2-chloroethyl)ether	<100
101-55-3	4-Bromophenylphenylether	<100
7005-72-3	4-Chlorophenylphenylether	<100
67-72-1	Hexachloroethane	<100
87-68-3	Hexachlorobutadiene	<100
111-91-1	Bis(2-chloroethoxy)methane	<100
621-64-7	N-nitrosodi-n-propylamine	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0015 WS2 4.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - $\mu\text{g}/\text{kg}$

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenzo(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	<100
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	<100
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	<100	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	<100	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	<100	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	<100	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	<100	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	<100	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthrene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem**Tentatively Identified Compounds
SVOC**

Sample Identity - DUB-02-B02182-S0013 WS2 0.5-1.0
Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

Alcontrol Geochem**Tentatively Identified Compounds
SVOC**

Sample Identity - DUB-02-B02182-S0015 WS2 4.0
Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
C10-C28 Hydrocarbons	-	270000

Alcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0016 WS3 0.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	1039
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	1271
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	1873
106-44-5	4-Methylphenol	<100	53-70-3	Dibenzo(a,h)anthracene	362
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	569
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	359
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	143
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	191	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	1455	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	197	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	3136	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	3065	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	1457	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	1509	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthrene	1170	621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0016 WS3 0.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

Alcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0019 WS4 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	774
120-12-7	Anthracene	124
206-44-0	Fluoranthrene	1293
129-00-0	Pyrene	1251
56-55-3	Benzo(a)anthracene	643
218-01-9	Chrysene	655
205-99-2	Benzo(b)fluoranthrene	526

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0019 WS4 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0023 WSS 2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

CAS No	Compound	Conc.
207-08-9	Benzo(k)fluoranthrene	<100
50-32-8	Benzo(a)pyrene	<100
193-39-5	Indeno(1,2,3-cd)pyrene	<100
53-70-3	Dibenz(a,h)anthracene	<100
191-24-2	Benzo(ghi)perylene	<100
91-58-7	2-Chloronaphthalene	<100
91-57-6	2-Methylnaphthalene	<100
86-74-8	Carbazole	<100
78-59-1	Isophorone	<100
132-64-9	Dibenzofuran	<100
131-11-3	Dimethyl phthalate	<100
84-66-2	Diethyl phthalate	<100
84-74-2	Di-n-butylphthalate	<100
117-84-0	Di-n-octylphthalate	<100
117-81-7	Bis(2-ethylhexyl)phthalate	<100
85-68-7	Butylbenzylphthalate	<100
106-47-8	4-Chloroaniline	<100
88-74-4	2-Nitroaniline	<100
99-09-2	3-Nitroaniline	<100
100-01-6	4-Nitroaniline	<100
121-14-2	2,4-Dinitrotoluene	<100
606-20-2	2,6-Dinitrotoluene	<100
111-44-4	Bis(2-chloroethyl)ether	<100
101-55-3	4-Bromophenylphenylether	<100
7005-72-3	4-Chlorophenylphenylether	<100
67-72-1	Hexachloroethane	<100
87-68-3	Hexachlorobutadiene	<100
77-47-4	Hexachlorocyclopentadiene	<100
111-91-1	Bis(2-chloroethoxy)methane	<100
621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0023 WSS 2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0025 WS5 4.5-5.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenz(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	<100
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	<100
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	<100	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	<100	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	<100	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	<100	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	<100	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	<100	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthrene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

ALcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0025 WS5 4.5-5.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
C12-C23 Hydrocarbons	-	63500

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0028 WS7 1.0-1.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenz(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	<100
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	<100
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	<100	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	<100	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	<100	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	<100	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	<100	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	<100	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthrene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

ALcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0028 WS7 1.0-1.5
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0032 WS10 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenz(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	<100
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	<100
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	<100	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	260	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	246	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	214	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	<100	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	<100	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthrene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0032 WS10 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

Alcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0038 WS11 3.5-4.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Aconaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0038 WS11 3.5-4.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	RetentionTime min	Concentration µg/kg
No Compounds Detected	-	<100

Alcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0044 WS13 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

CAS No	Compound	Conc.
207-08-9	Benzo(k)fluoranthrene	<100
50-32-8	Benzo(a)pyrene	<100
193-39-5	Indeno(1,2,3-cd)pyrene	<100
53-70-3	Dibenz(a,h)anthracene	<100
191-24-2	Benzo(ghi)perylene	<100
91-58-7	2-Chloronaphthalene	<100
91-57-6	2-Methylnaphthalene	<100
86-74-8	Carbazole	<100
78-59-1	Isophorone	<100
132-64-9	Dibenzofuran	<100
131-11-3	Dimethyl phthalate	<100
84-66-2	Diethyl phthalate	<100
84-74-2	Di-n-butylphthalate	<100
117-84-0	Di-n-octylphthalate	<100
117-81-7	Bis(2-ethylhexyl)phthalate	<100
85-68-7	Butylbenzylphthalate	<100
106-47-8	4-Chloroaniline	<100
88-74-4	2-Nitroaniline	<100
99-09-2	3-Nitroaniline	<100
100-01-6	4-Nitroaniline	<100
121-14-2	2,4-Dinitrotoluene	<100
606-20-2	2,6-Dinitrotoluene	<100
111-44-4	Bis(2-chloroethyl)ether	<100
101-55-3	4-Bromophenylphenylether	<100
7005-72-3	4-Chlorophenylphenylether	<100
67-72-1	Hexachloroethane	<100
87-68-3	Hexachlorobutadiene	<100
77-47-4	Hexachlorocyclopentadiene	<100
111-91-1	Bis(2-chloroethoxy)methane	<100
621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0044 WS13 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

Alcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0049 WS14 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

CAS No	Compound	Conc.
207-08-9	Benzo(k)fluoranthrene	<100
50-32-8	Benzo(a)pyrene	<100
193-39-5	Indeno(1,2,3-cd)pyrene	<100
53-70-3	Dibenz(a,h)anthracene	<100
191-24-2	Benzo(ghi)perylene	<100
91-58-7	2-Chloronaphthalene	<100
91-57-6	2-Methylnaphthalene	<100
86-74-8	Carbazole	<100
78-59-1	Isophorone	<100
132-64-9	Dibenzofuran	<100
131-11-3	Dimethyl phthalate	<100
84-66-2	Diethyl phthalate	<100
84-74-2	Di-n-butylphthalate	<100
117-84-0	Di-n-octylphthalate	<100
117-81-7	Bis(2-ethylhexyl)phthalate	<100
85-68-7	Butylbenzylphthalate	<100
106-47-8	4-Chloroaniline	<100
88-74-4	2-Nitroaniline	<100
99-09-2	3-Nitroaniline	<100
100-01-6	4-Nitroaniline	<100
121-14-2	2,4-Dinitrotoluene	<100
606-20-2	2,6-Dinitrotoluene	<100
111-44-4	Bis(2-chloroethyl)ether	<100
101-55-3	4-Bromophenylphenylether	<100
7005-72-3	4-Chlorophenylphenylether	<100
67-72-1	Hexachloroethane	<100
87-68-3	Hexachlorobutadiene	<100
77-47-4	Hexachlorocyclopentadiene	<100
111-91-1	Bis(2-chloroethoxy)methane	<100
621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0049 WS14 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0051 WS15 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.
108-95-2	Phenol	<100
95-57-8	2-Chlorophenol	<100
95-48-7	2-Methylphenol	<100
106-44-5	4-Methylphenol	<100
88-75-5	2-Nitrophenol	<100
100-02-7	4-Nitrophenol	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	400
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	251
129-00-0	Pyrene	217
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

CAS No	Compound	Conc.
207-08-9	Benzo(k)fluoranthrene	<100
50-32-8	Benzo(a)pyrene	<100
193-39-5	Indeno(1,2,3-cd)pyrene	<100
53-70-3	Dibenzo(a,h)anthracene	<100
191-24-2	Benzo(ghi)perylene	<100
91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100
105-67-9	2,4-Dimethylphenol	<100
59-50-7	4-Chloro-3-methylphenol	<100
88-06-2	2,4,6-Trichlorophenol	<100
95-95-4	2,4,5-Trichlorophenol	<100
87-86-5	Pentachlorophenol	<100
541-73-1	1,3-Dichlorobenzene	<100
106-46-7	1,4-Dichlorobenzene	<100
95-50-1	1,2-Dichlorobenzene	<100
120-82-1	1,2,4-Trichlorobenzene	<100
98-95-3	Nitrobenzene	<100
103-33-3	Azobenzene	<100
118-74-1	Hexachlorobenzene	<100
91-20-3	Naphthalene	<100
208-96-8	Acenaphthylene	<100
83-32-9	Acenaphthene	<100
86-73-7	Fluorene	<100
85-01-8	Phenanthrene	<100
120-12-7	Anthracene	<100
206-44-0	Fluoranthrene	<100
129-00-0	Pyrene	<100
56-55-3	Benzo(a)anthracene	<100
218-01-9	Chrysene	<100
205-99-2	Benzo(b)fluoranthrene	<100

ALcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0054 WS16 0.5-1.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenzo(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	<100
86-74-8	Carbazole	<100	86-74-8	Carbazole	<100
78-59-1	Isophorone	<100	78-59-1	Isophorone	<100
132-64-9	Dibenzofuran	<100	132-64-9	Dibenzofuran	<100
131-11-3	Dimethyl phthalate	<100	131-11-3	Dimethyl phthalate	<100
84-66-2	Diethyl phthalate	<100	84-66-2	Diethyl phthalate	<100
84-74-2	Di-n-butylphthalate	<100	84-74-2	Di-n-butylphthalate	<100
117-84-0	Di-n-octylphthalate	<100	117-84-0	Di-n-octylphthalate	<100
117-81-7	Bis(2-ethylhexyl)phthalate	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
85-68-7	Butylbenzylphthalate	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	<100	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	<100	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	<100	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	<100	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	<100	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	<100	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthrene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem**Tentatively Identified Compounds
SVOC**

Sample Identity - DUB-02-B02182-S0051 WS15 0.5-1.0
Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

Alcontrol Geochem**Tentatively Identified Compounds
SVOC**

Sample Identity - DUB-02-B02182-S0054 WS16 0.5-1.0
Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

Alcontrol Geochem

Semivolatiles

Sample Identity - DUB-02-B02182-S0057 WS8 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

CAS No	Compound	Conc.	CAS No	Compound	Conc.
108-95-2	Phenol	<100	207-08-9	Benzo(k)fluoranthrene	<100
95-57-8	2-Chlorophenol	<100	50-32-8	Benzo(a)pyrene	<100
95-48-7	2-Methylphenol	<100	193-39-5	Indeno(1,2,3-cd)pyrene	<100
106-44-5	4-Methylphenol	<100	53-70-3	Dibenz(a,h)anthracene	<100
88-75-5	2-Nitrophenol	<100	191-24-2	Benzo(ghi)perylene	<100
100-02-7	4-Nitrophenol	<100	91-58-7	2-Chloronaphthalene	<100
120-83-2	2,4-Dichlorophenol	<100	91-57-6	2-Methylnaphthalene	<100
105-67-9	2,4-Dimethylphenol	<100	86-74-8	Carbazole	<100
59-50-7	4-Chloro-3-methylphenol	<100	78-59-1	Isophorone	<100
88-06-2	2,4,6-Trichlorophenol	<100	132-64-9	Dibenzofuran	<100
95-95-4	2,4,5-Trichlorophenol	<100	131-11-3	Dimethyl phthalate	<100
87-86-5	Pentachlorophenol	<100	84-66-2	Diethyl phthalate	<100
541-73-1	1,3-Dichlorobenzene	<100	84-74-2	Di-n-butylphthalate	<100
106-46-7	1,4-Dichlorobenzene	<100	117-84-0	Di-n-octylphthalate	<100
95-50-1	1,2-Dichlorobenzene	<100	117-81-7	Bis(2-ethylhexyl)phthalate	<100
120-82-1	1,2,4-Trichlorobenzene	<100	85-68-7	Butylbenzylphthalate	<100
98-95-3	Nitrobenzene	<100	106-47-8	4-Chloroaniline	<100
103-33-3	Azobenzene	<100	88-74-4	2-Nitroaniline	<100
118-74-1	Hexachlorobenzene	<100	99-09-2	3-Nitroaniline	<100
91-20-3	Naphthalene	<100	100-01-6	4-Nitroaniline	<100
208-96-8	Acenaphthylene	<100	121-14-2	2,4-Dinitrotoluene	<100
83-32-9	Acenaphthene	<100	606-20-2	2,6-Dinitrotoluene	<100
86-73-7	Fluorene	<100	111-44-4	Bis(2-chloroethyl)ether	<100
85-01-8	Phenanthrene	<100	101-55-3	4-Bromophenylphenylether	<100
120-12-7	Anthracene	<100	7005-72-3	4-Chlorophenylphenylether	<100
206-44-0	Fluoranthrene	<100	67-72-1	Hexachloroethane	<100
129-00-0	Pyrene	<100	87-68-3	Hexachlorobutadiene	<100
56-55-3	Benzo(a)anthracene	<100	77-47-4	Hexachlorocyclopentadiene	<100
218-01-9	Chrysene	<100	111-91-1	Bis(2-chloroethoxy)methane	<100
205-99-2	Benzo(b)fluoranthene	<100	621-64-7	N-nitrosodi-n-propylamine	<100

Alcontrol Geochem

Tentatively Identified Compounds SVOC

Sample Identity - DUB-02-B02182-S0057 WS8 1.5-2.0
 Client / Sample matrix - Irish Geotechnical Services Ltd/Soil
 Units - µg/kg

Compound	Retention Time min	Concentration µg/kg
No Compounds Detected	-	<100

Geochem Analytical Services
Polychlorinated Biphenyls
by
GCMS

Sample Matrix : Water
Our Reference: 14074/01/02
Date Sample Received: 3/1/2003
Date Extracted/Prepared: 8/1/2003
Extraction procedure: N/A
Column Extraction: Yes
Date Analysed: 13/01/03
GC-MS Mode: SIM
Internal Standard: External

CAS Number	Sample No.	002				
	Client Ref.	2182-6				
	P.Q.L.	1				
	Units	µg/l				
12674-11-2	Aroclor 1016					
11104-28-2	Aroclor 1221					
11141-16-5	Aroclor 1232					
53469-21-9	Aroclor 1242					
12672-29-6	Aroclor 1248					
11097-69-1	Aroclor 1254					
11096-82-5	Aroclor 1260					
Total		<1				

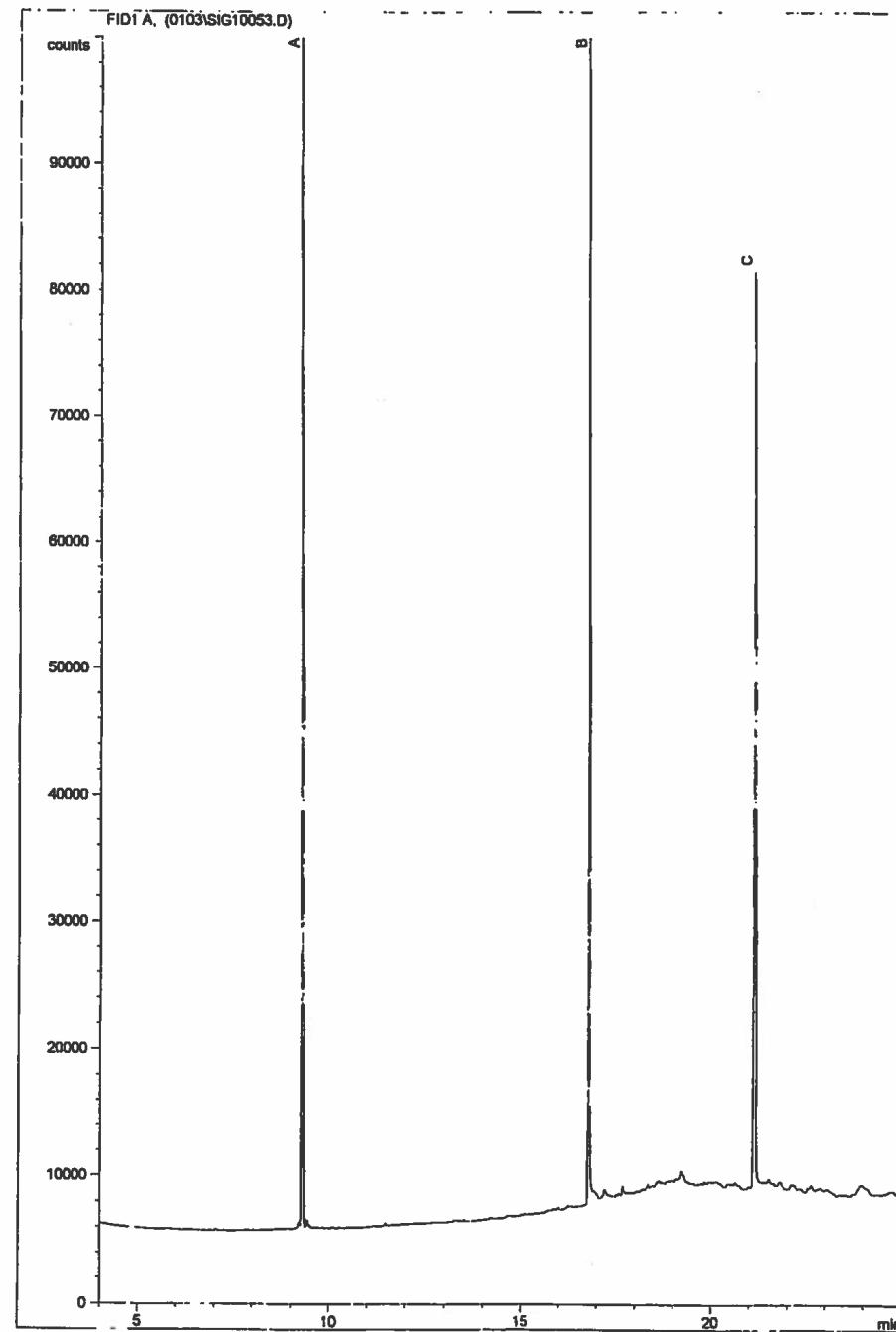
Calculated against Aroclor 1254.

APPENDIX

2182-7

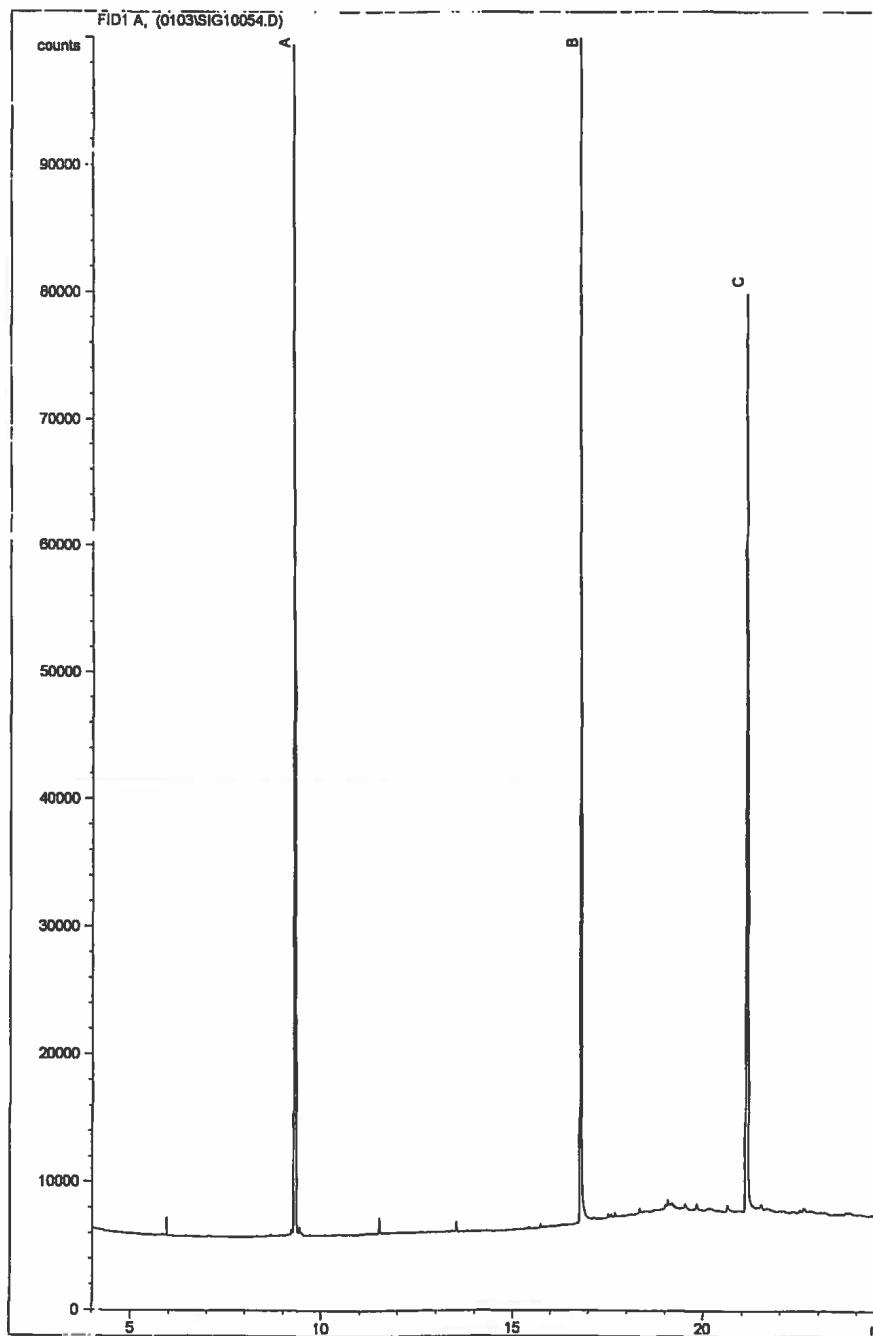
APPENDIX

1. Results are expressed as mg/kg dry weight unless otherwise stated, excluding analyses in (2) below.
2. Leach tests, cyanide, phenols by MS, hexavalent chrome, flash point, acid soluble sulphides, TPH by IR and volatiles are performed on wet soil as received, and results are expressed as mg/Kg of wet soil or mg/l of leachate of specified leach test. Ammoniacal nitrogen and total phenols by HPLC are performed on wet sample but are then re-calculated and expressed as mg/kg of dry soil.
3. ICP metals results are analysed using a screening program and the data is accurate to within 20%.
4. The majority of analyses are run to an accuracy of 10%, but this may be improved upon if legally defensible data is required.
5. A sub sample of all samples received will be retained free of charge for two months for soils and one month for waters (sample size permitting), but may then be discarded unless we are instructed to the contrary. Once the initial period has expired, a storage charge will be applied for each month or part thereof until the client cancels the request for sample storage.
6. With respect to turnaround, we will always endeavour to meet client requirements wherever possible, but turnaround times cannot be absolutely guaranteed due to so many variables beyond our control.
7. Please note that we take no responsibility for any test performed by sub-contractors (marked with an asterisk).
8. Asbestos screen is done in-house on soils and if no fibres are found will be reported as NFP-no fibres present. If asbestos is detected then identification & quantification is carried out by a sub-contractor. If a sample is suspected of containing asbestos then drying & crushing will be suspended on that sample until the asbestos result is known. If asbestos is present then no analysis requiring dry sample will be undertaken.
9. NDP-No determination possible due to insufficient/unsuitable sample.



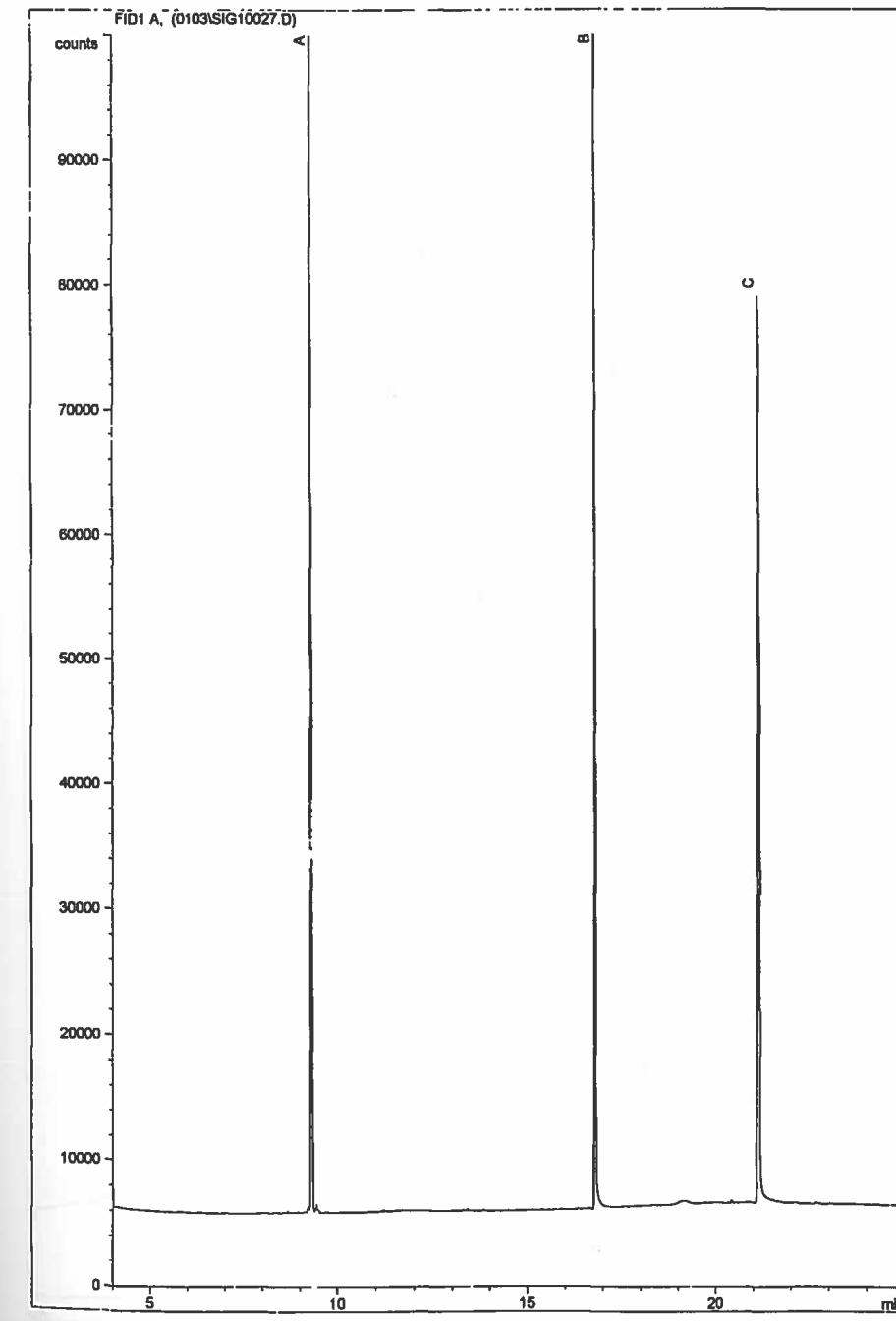
Alcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-9



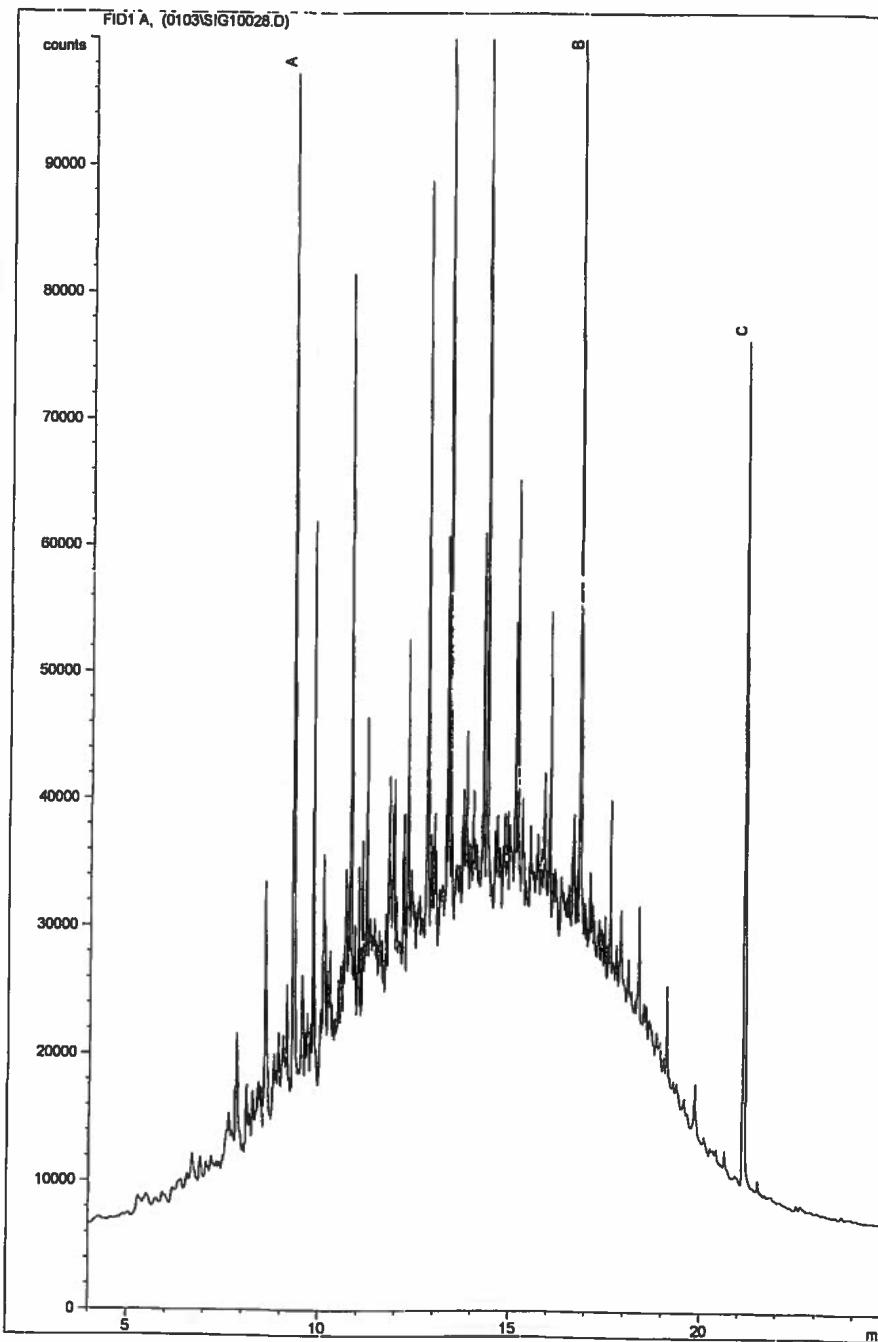
Alcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-10



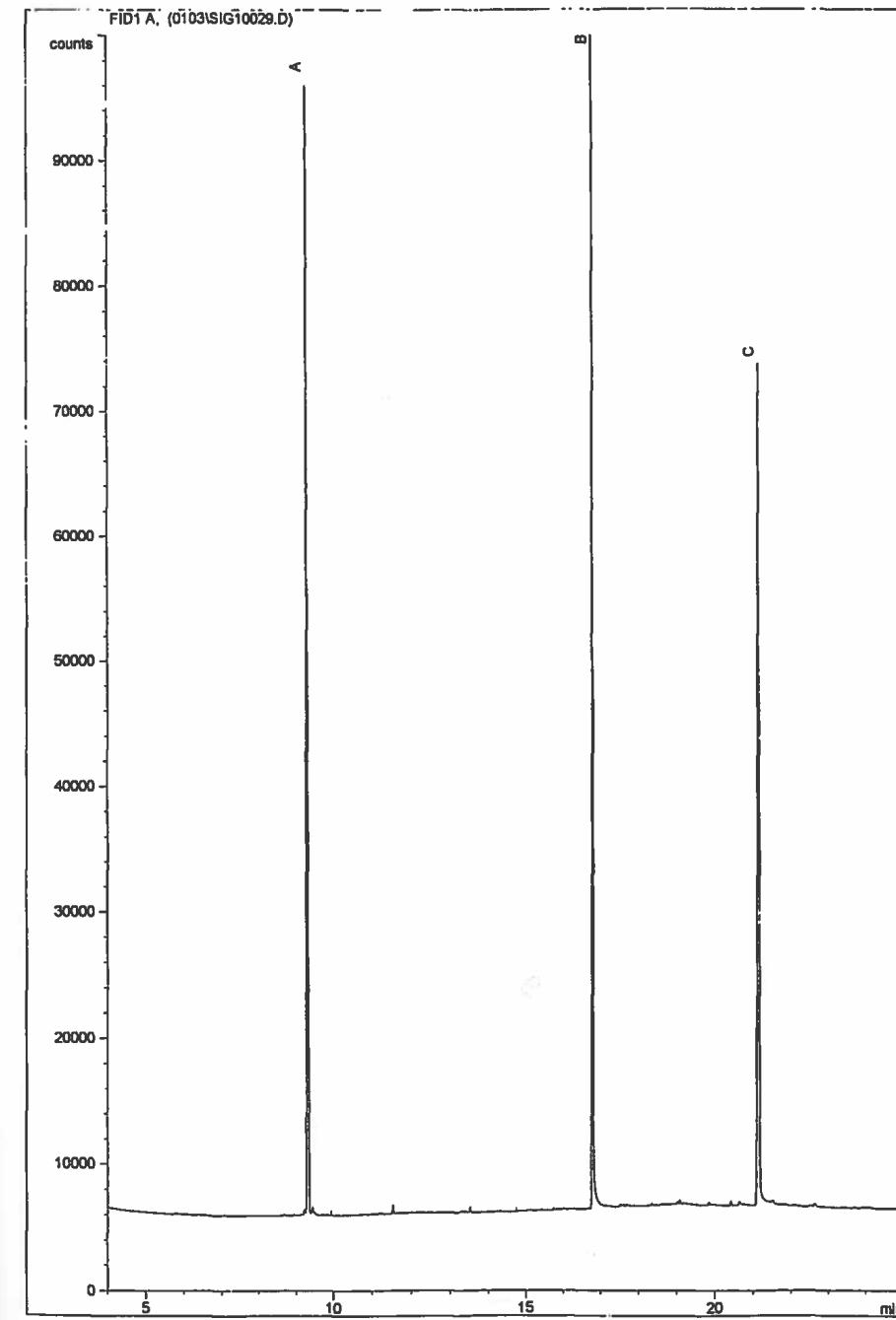
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Diesel Range Organics Analysis
By G.C.

2182-11



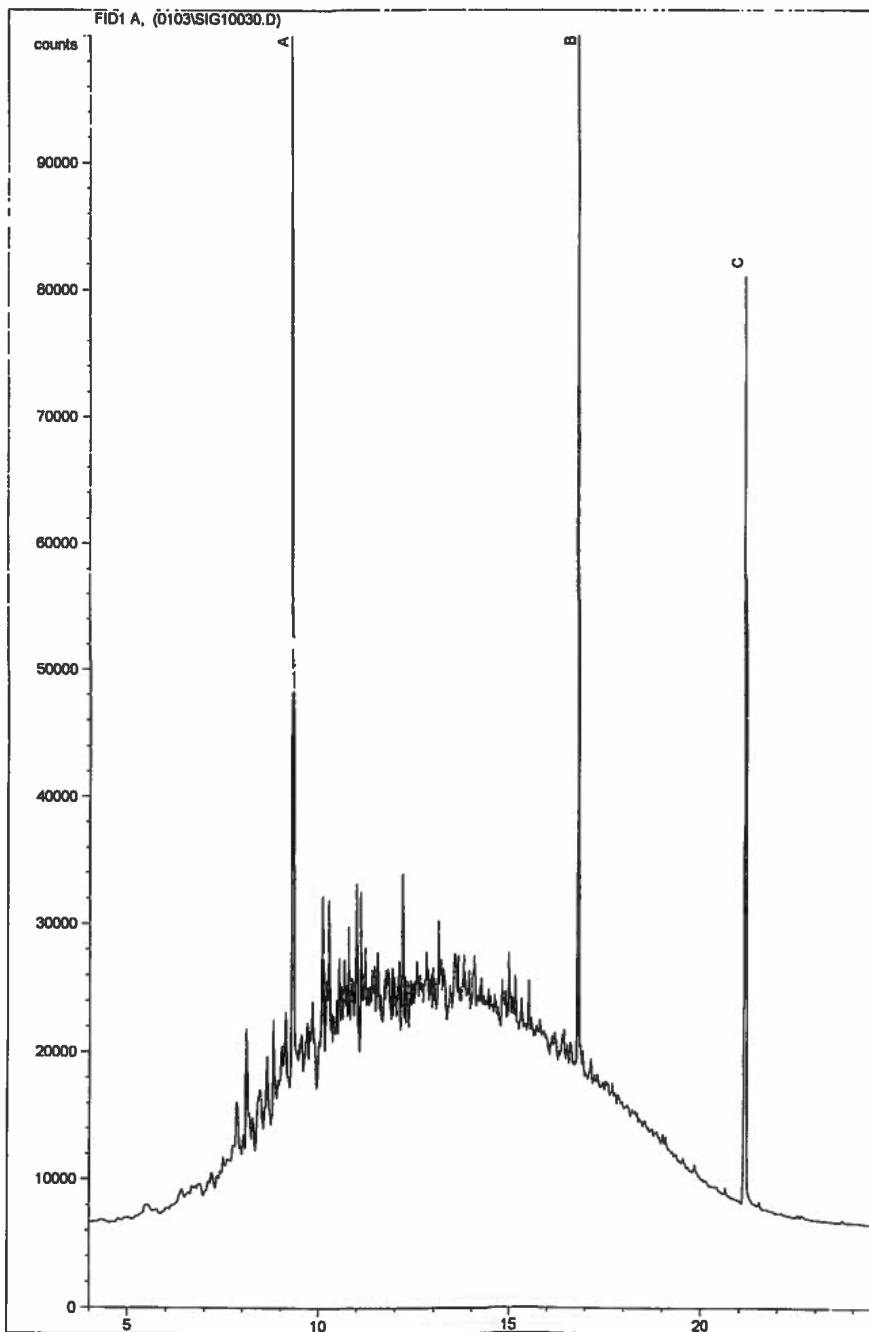
Alcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-13



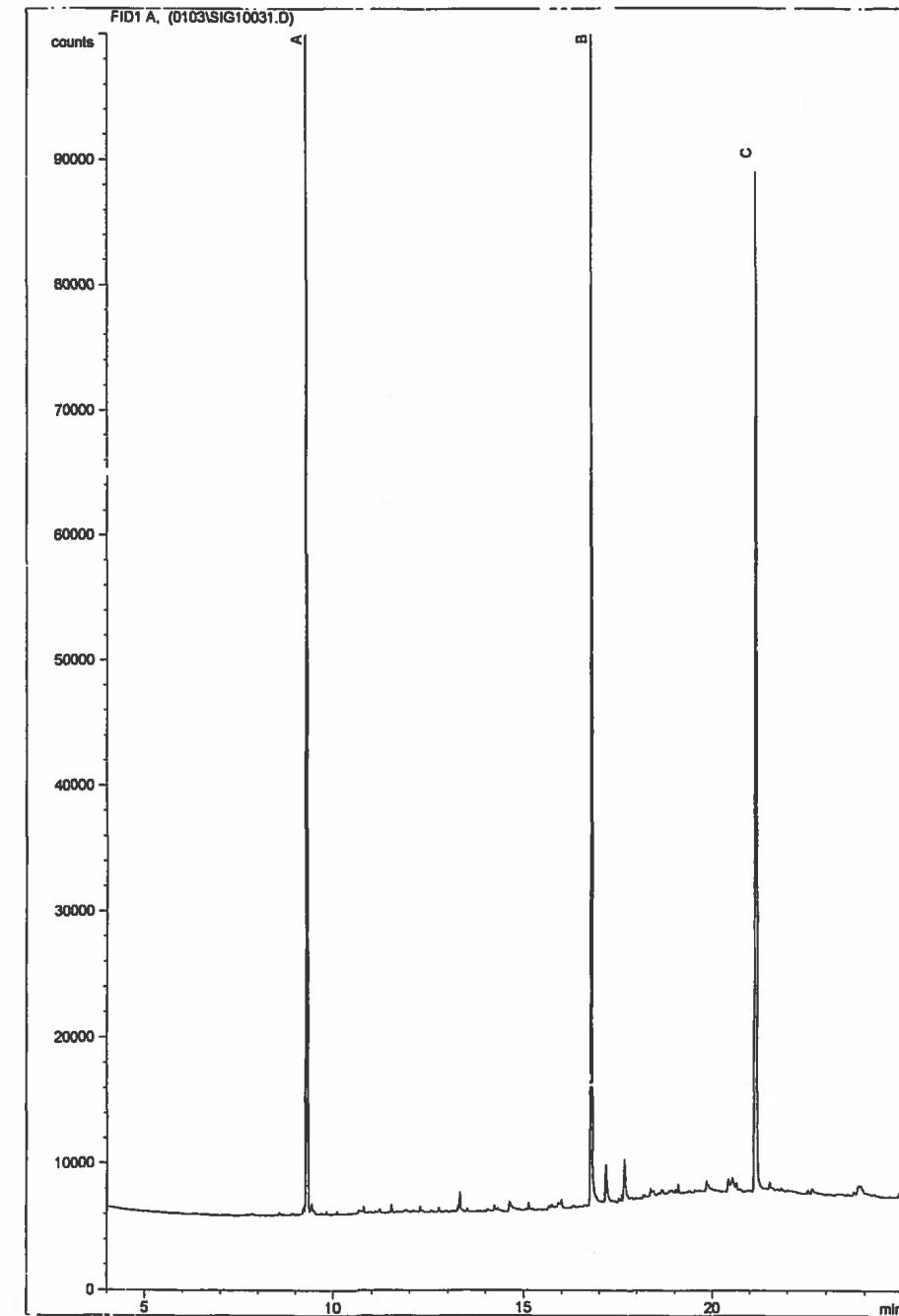
AIcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-15



AIcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

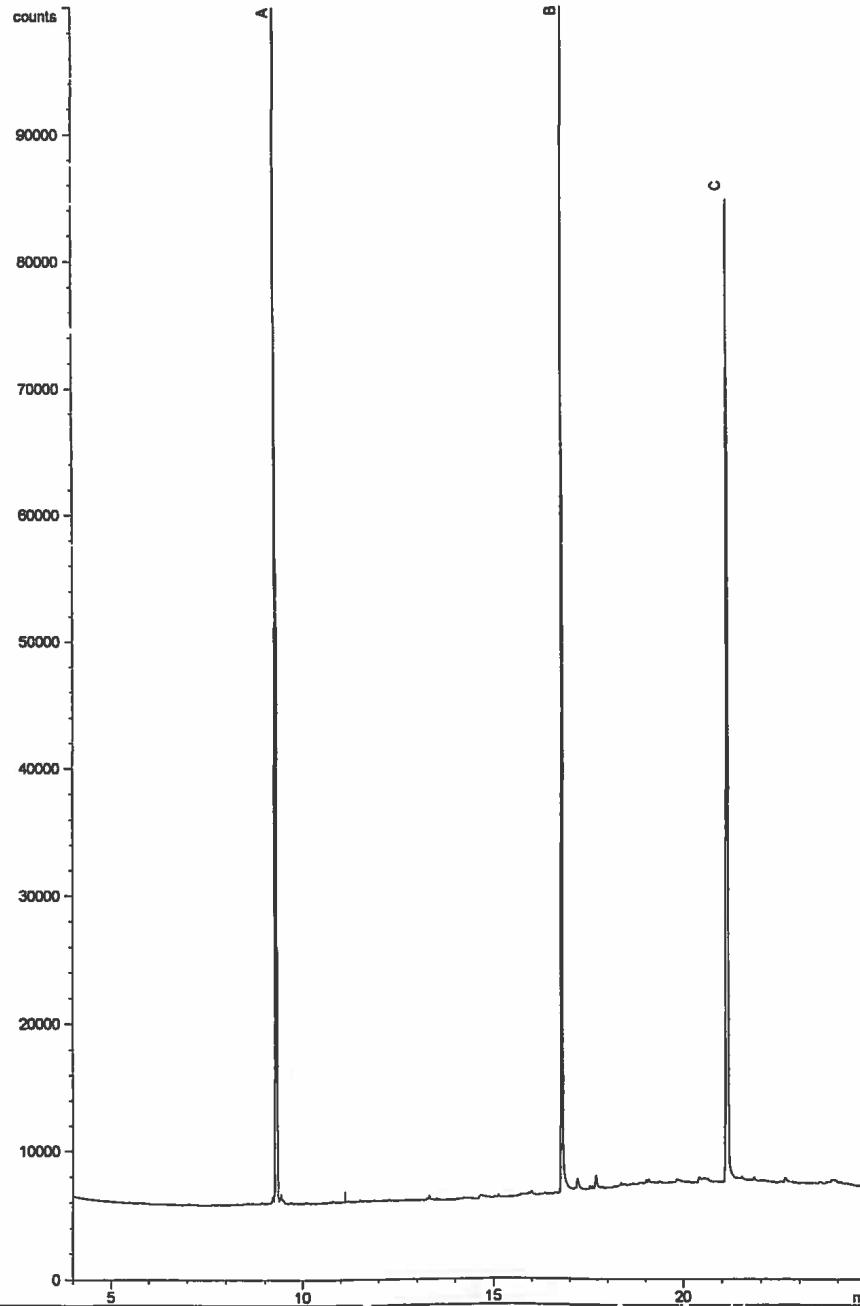
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Alcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-19

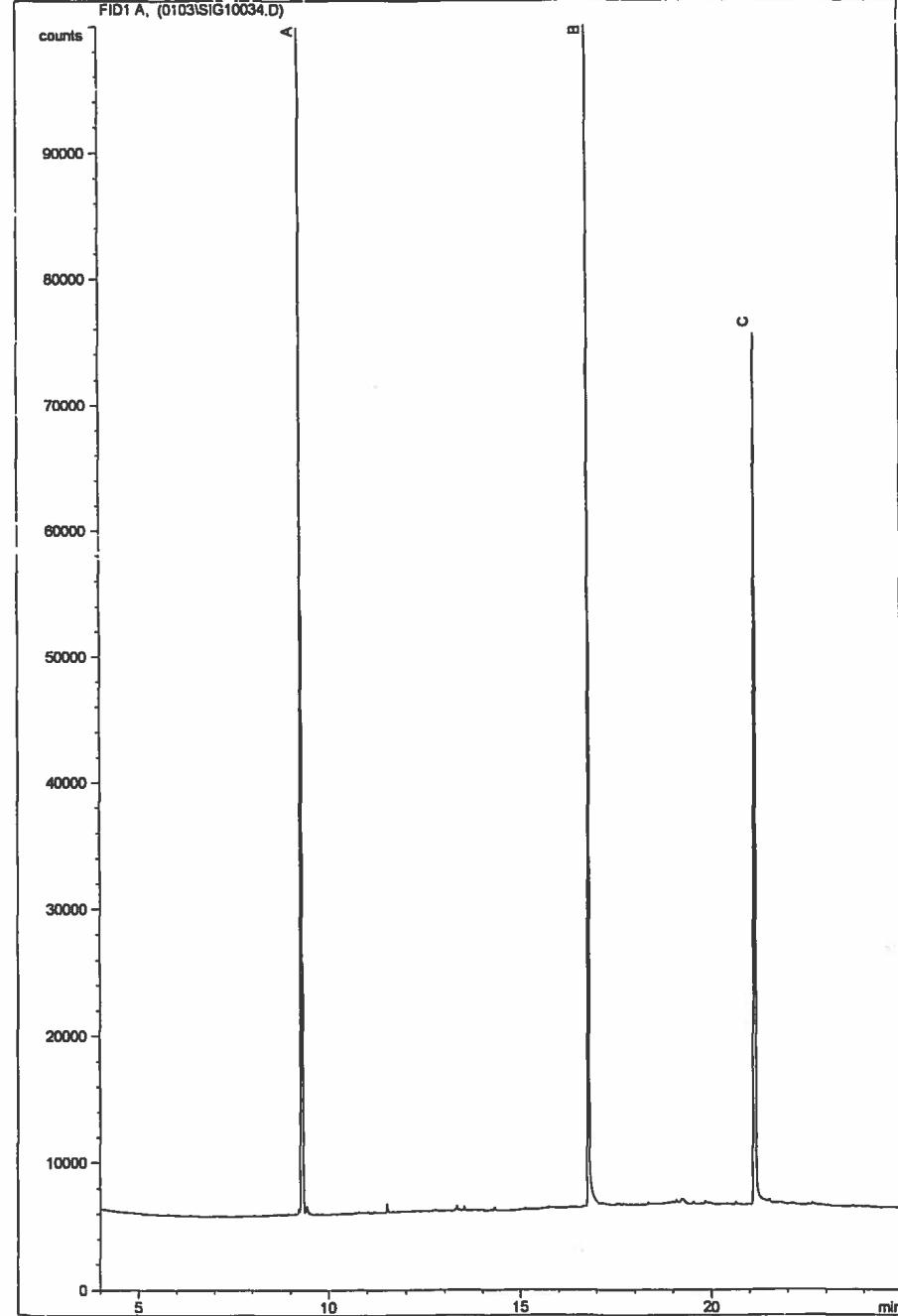
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Alcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

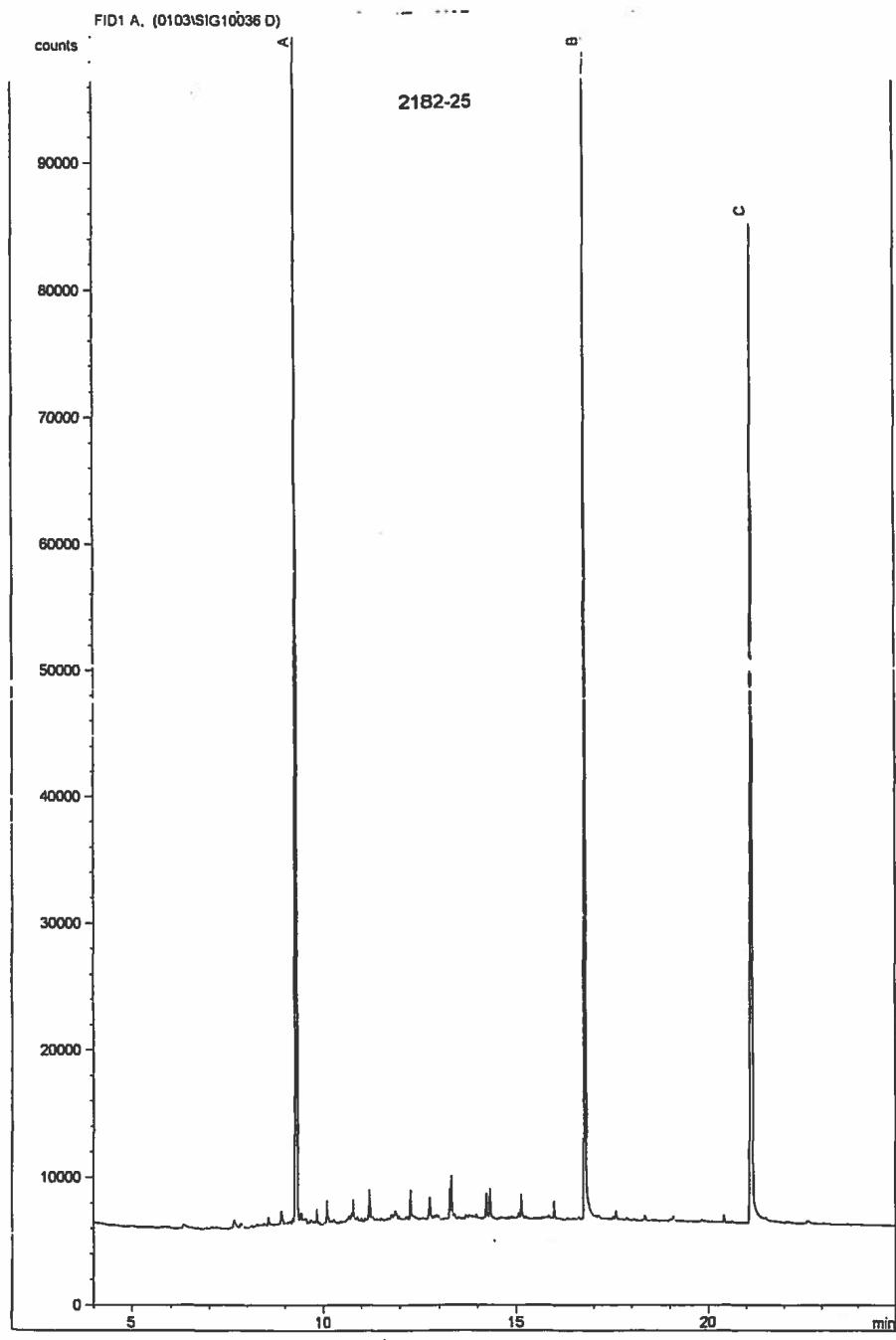
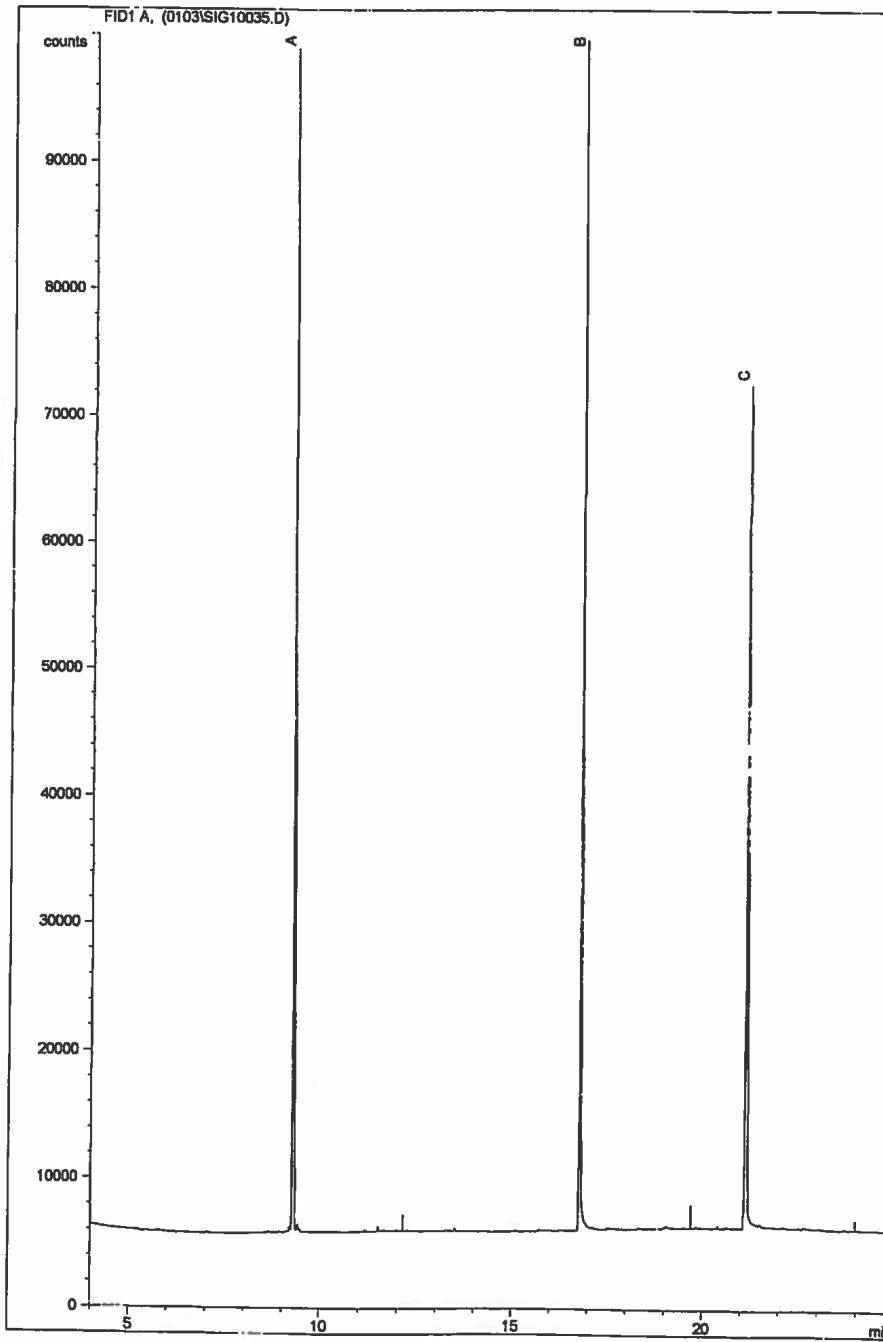
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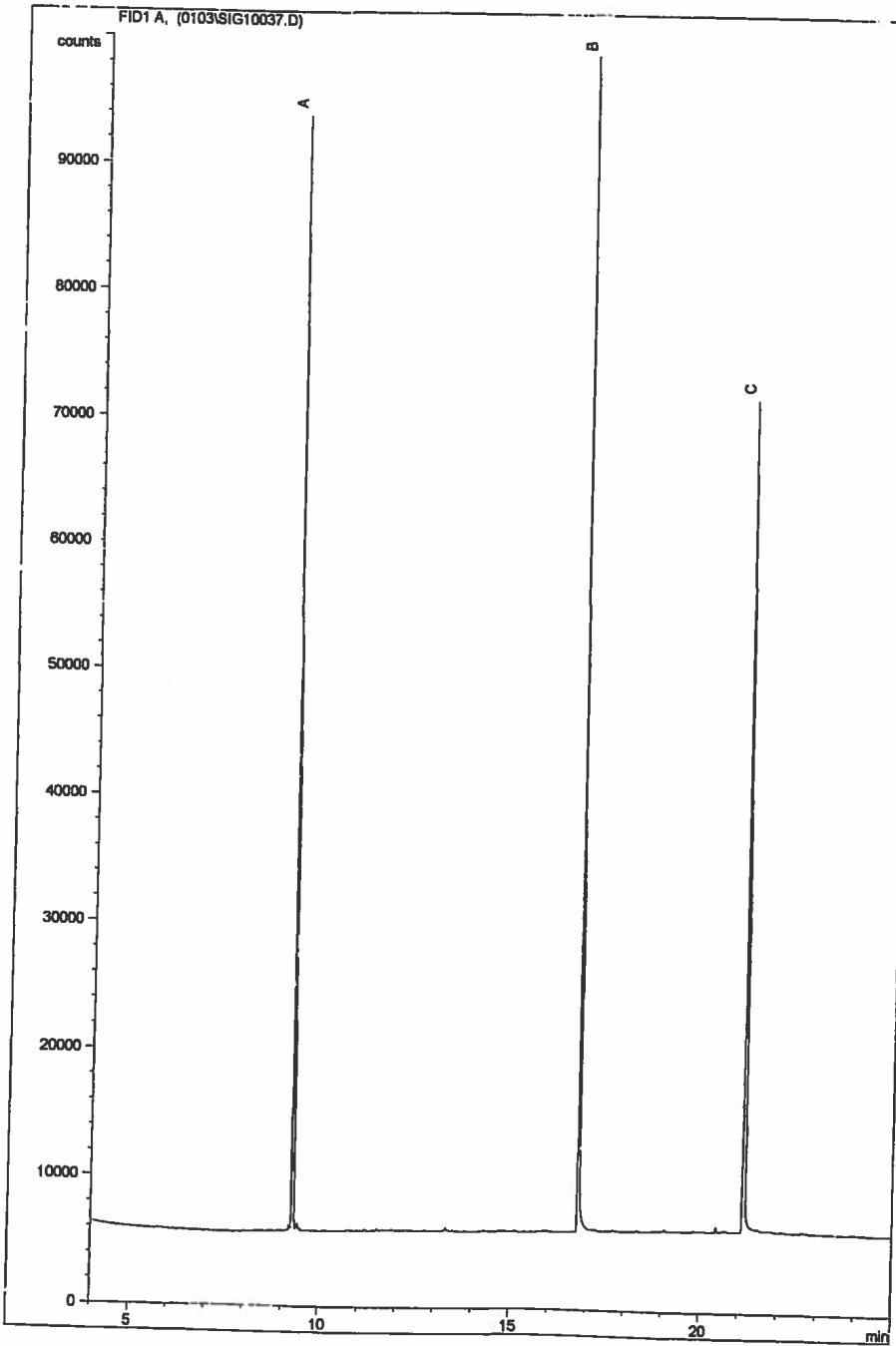
ALcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-28



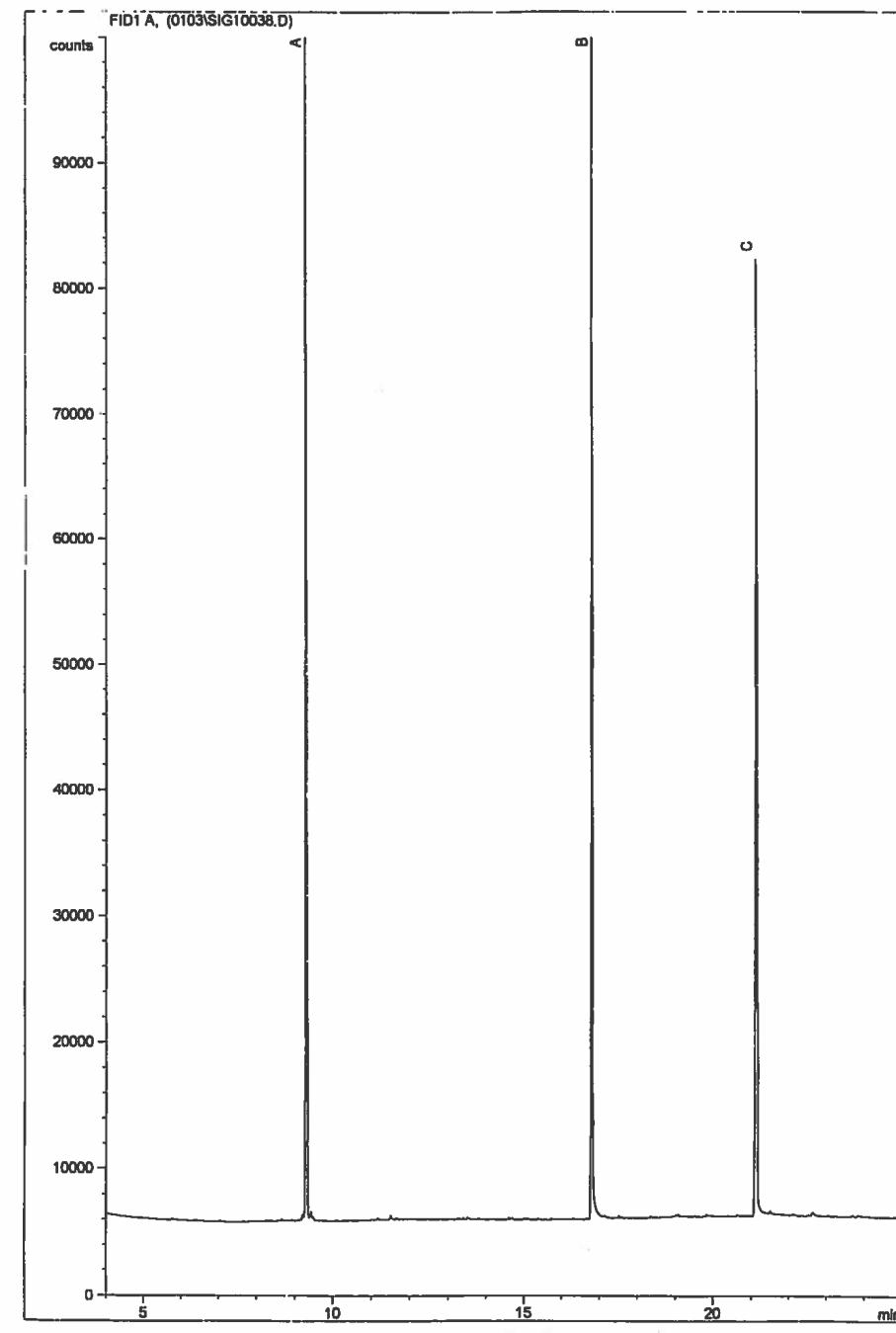
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Diesel Range Organics Analysis
By G.C.

2182-32



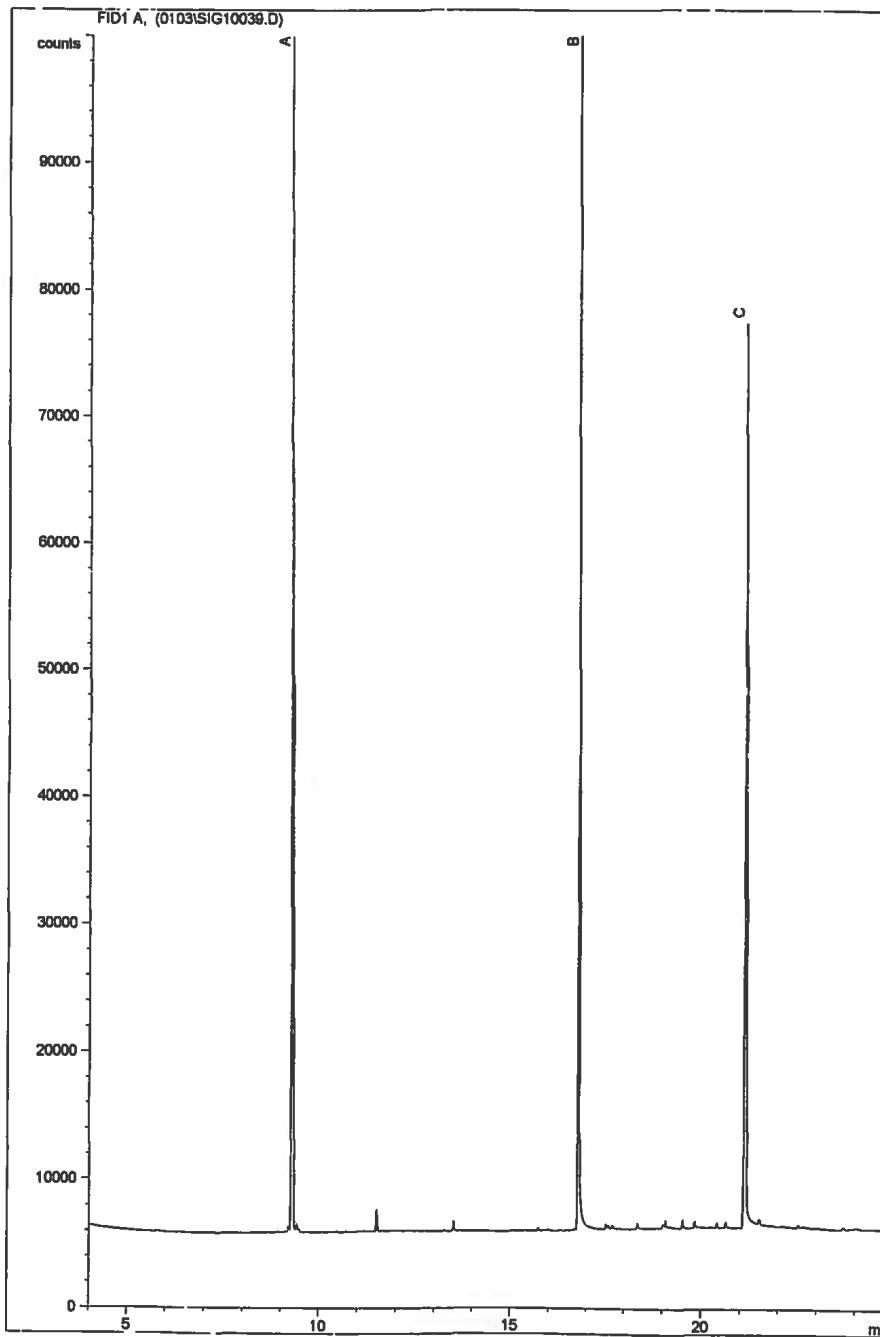
ALcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-38



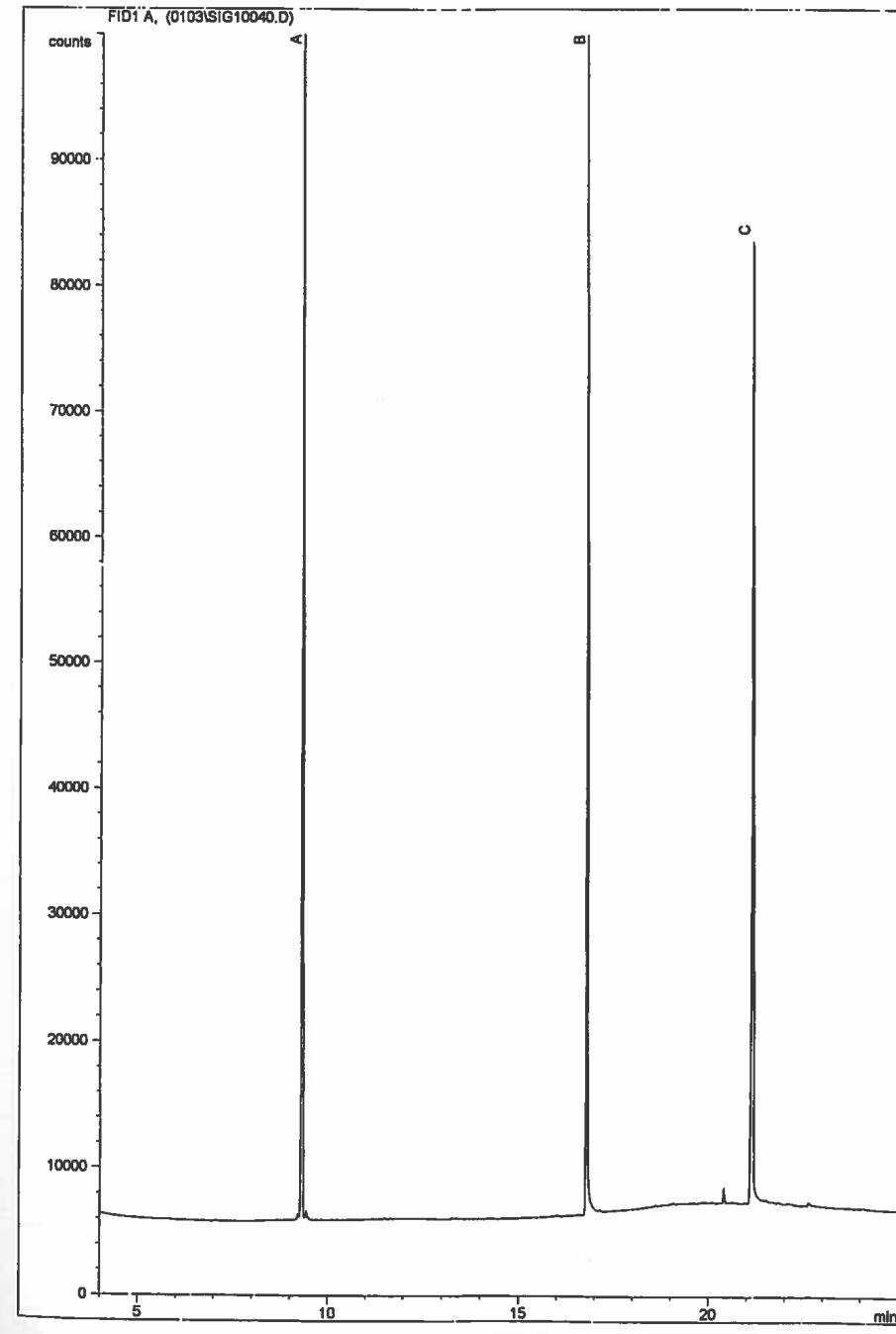
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Diesel Range Organics Analysis
By G.C.

2182-44



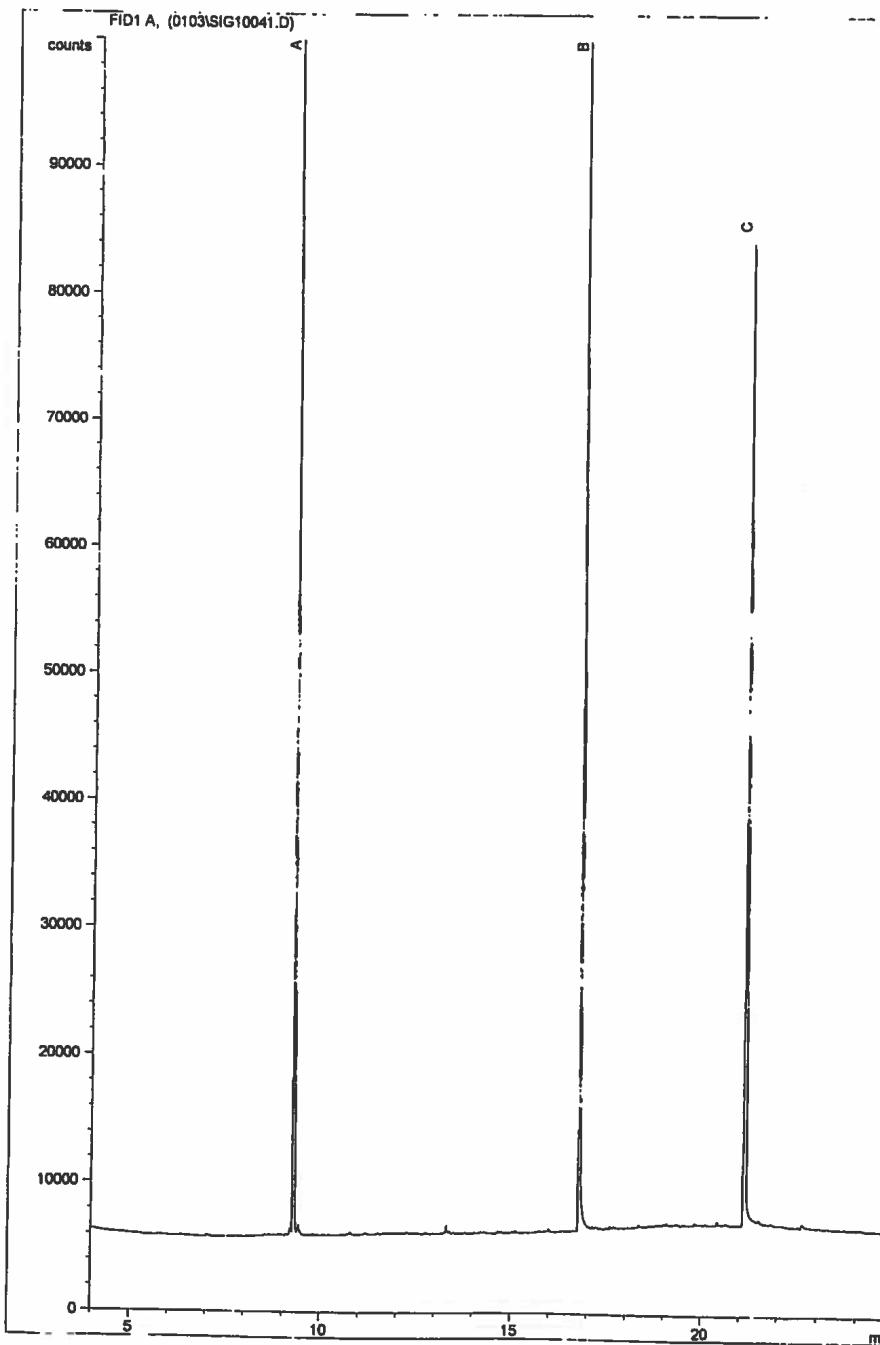
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Diesel Range Organics Analysis
By G.C.

2182-49



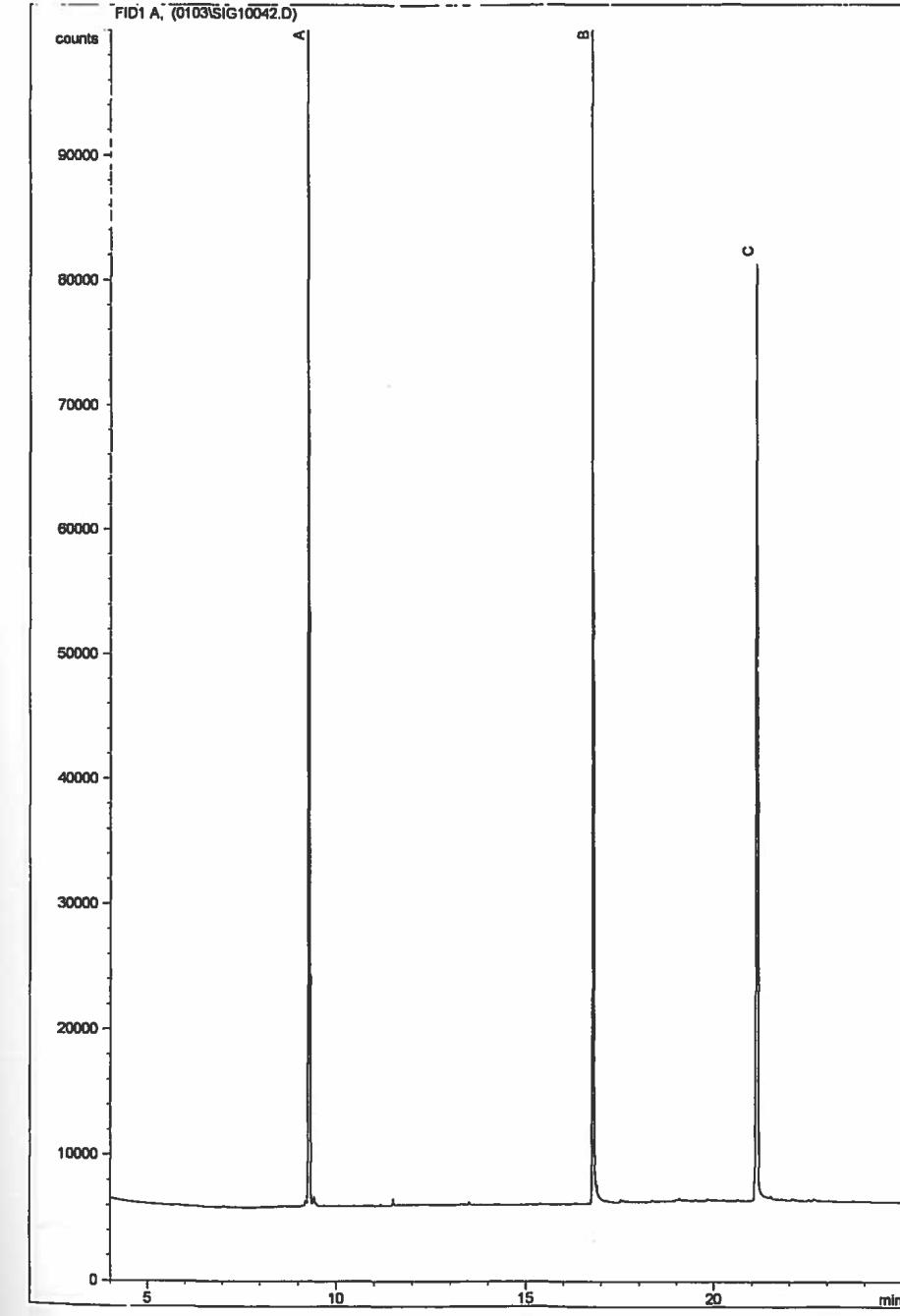
Alcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-51



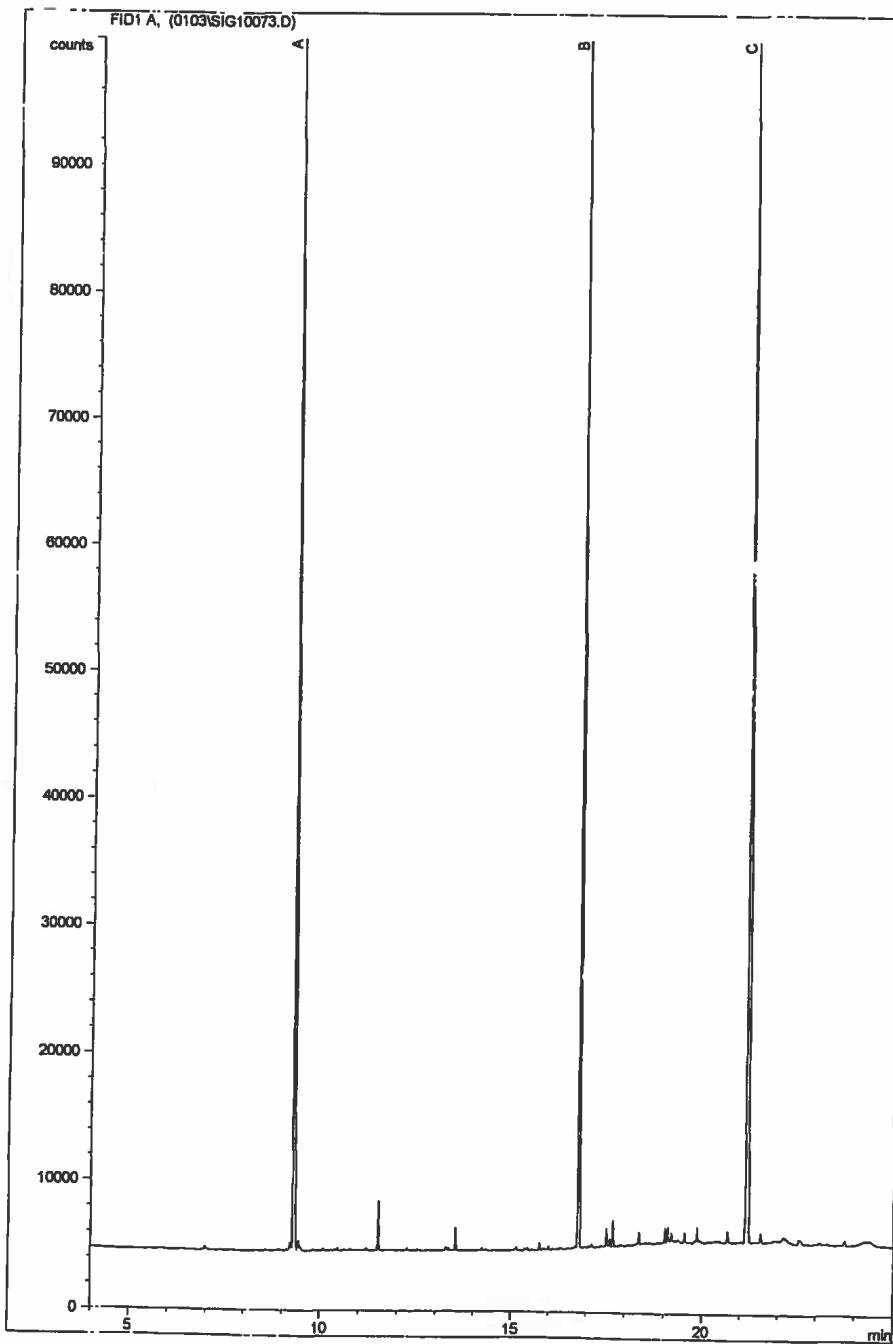
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Diesel Range Organics Analysis
By G.C.

2182-54



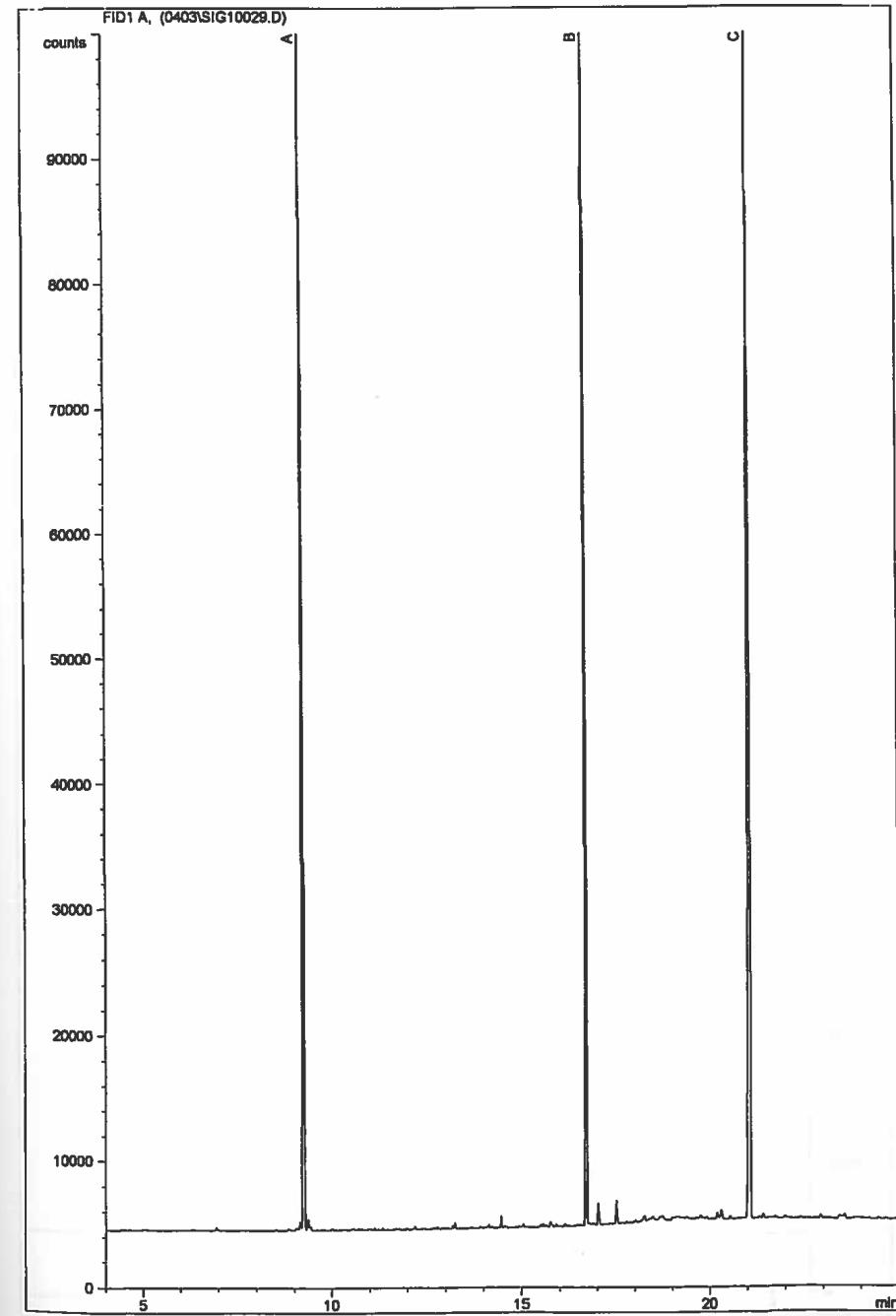
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Diesel Range Organics Analysis
By G.C.

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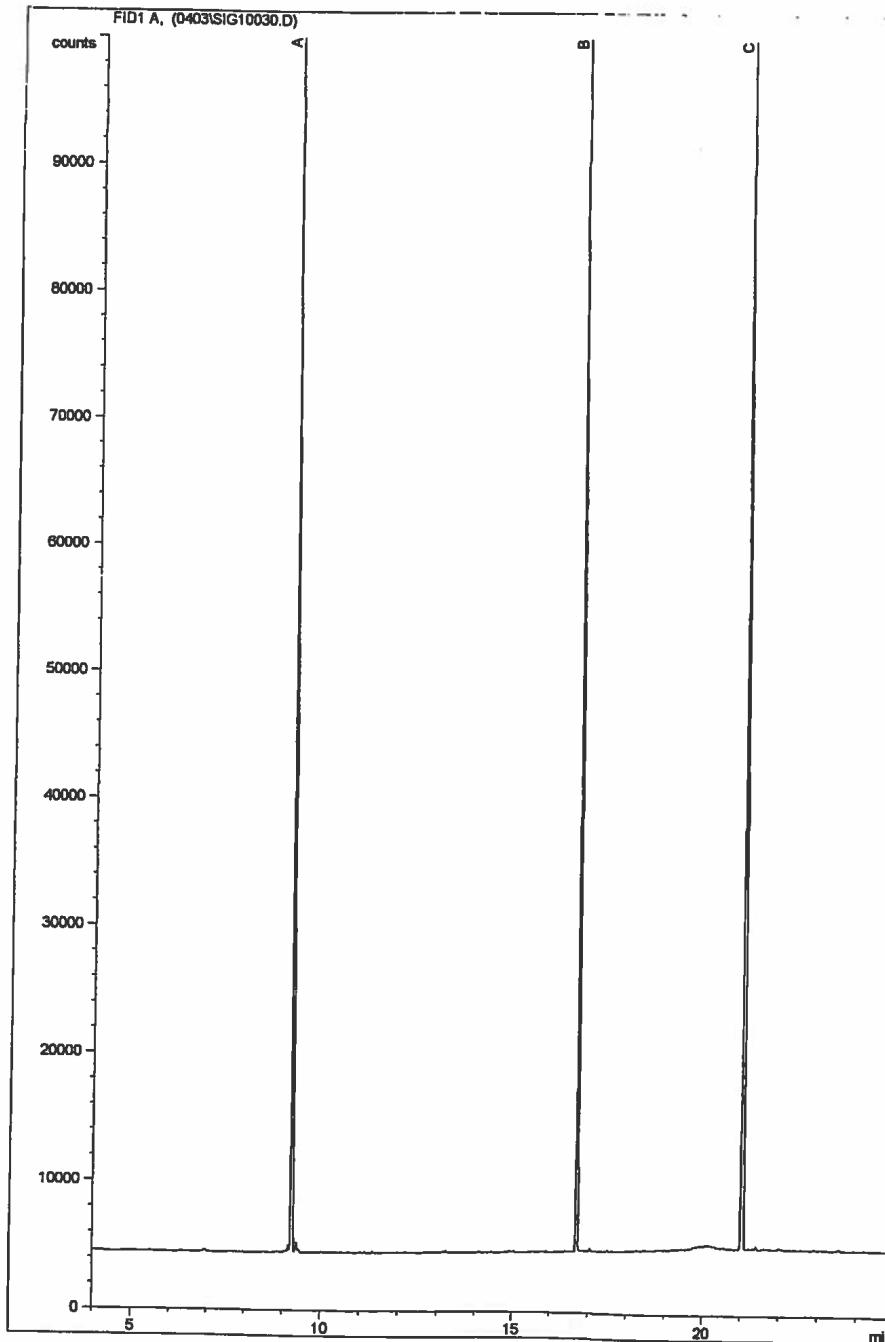
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Diesel Range Organics Analysis
By G.C.

2182-17



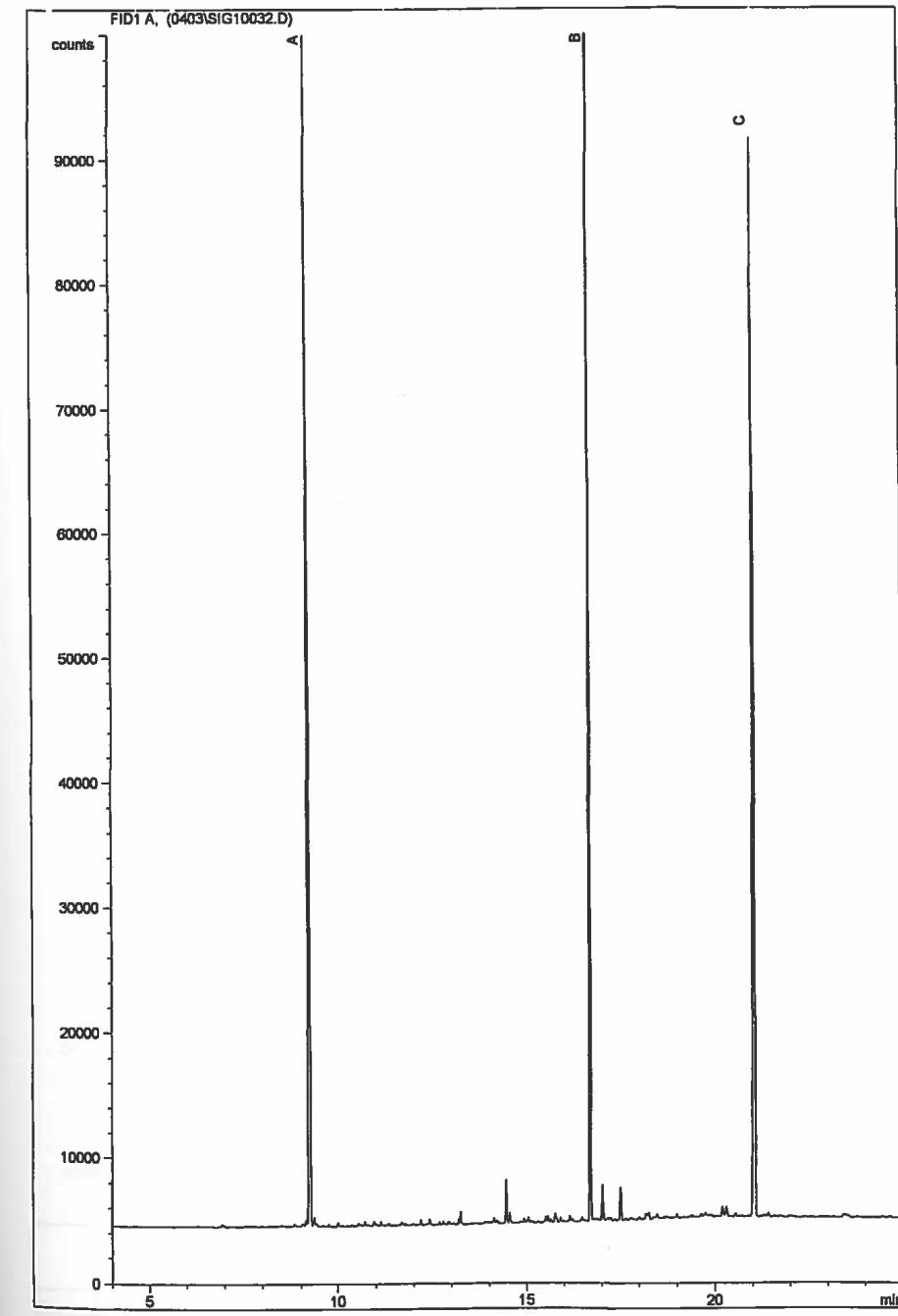
ALcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-34



ALcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

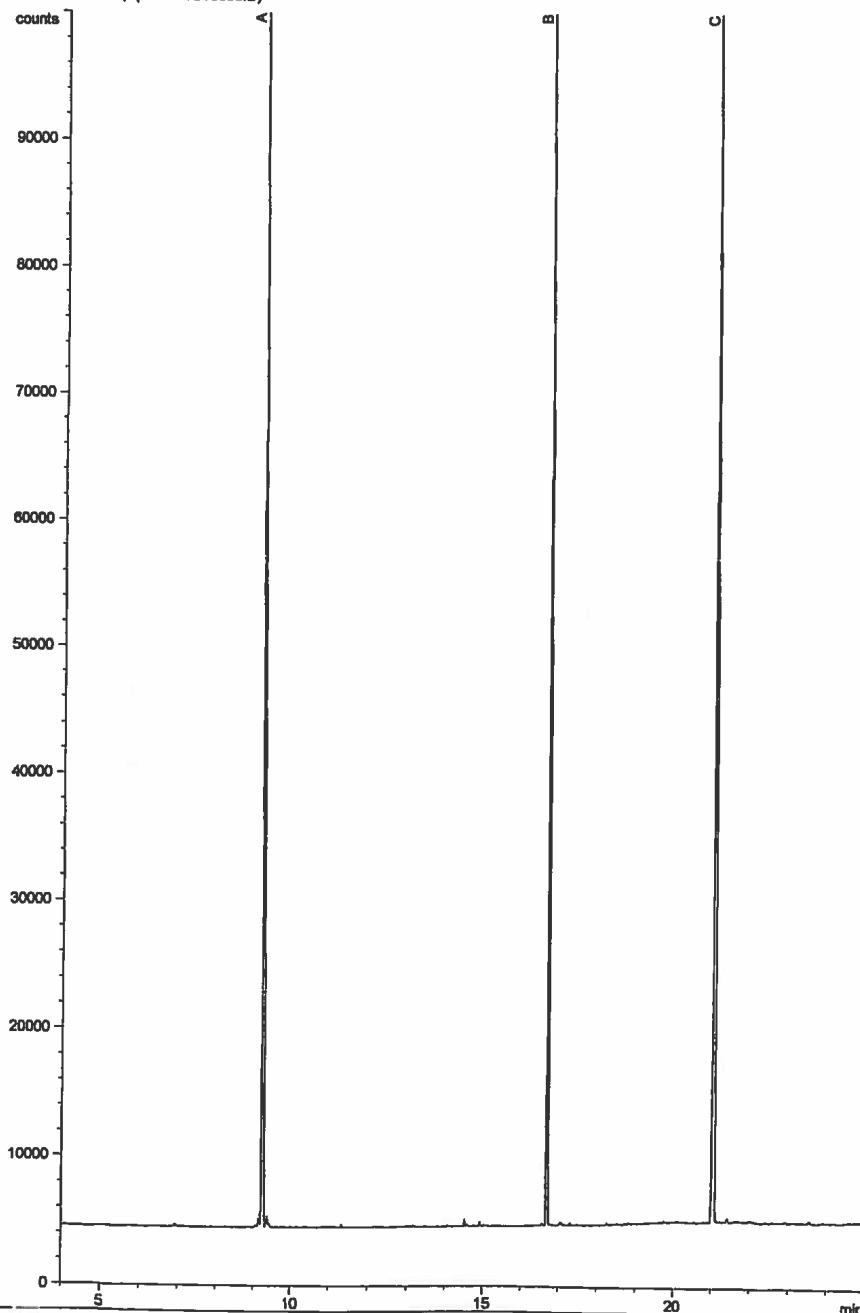
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ALcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-39

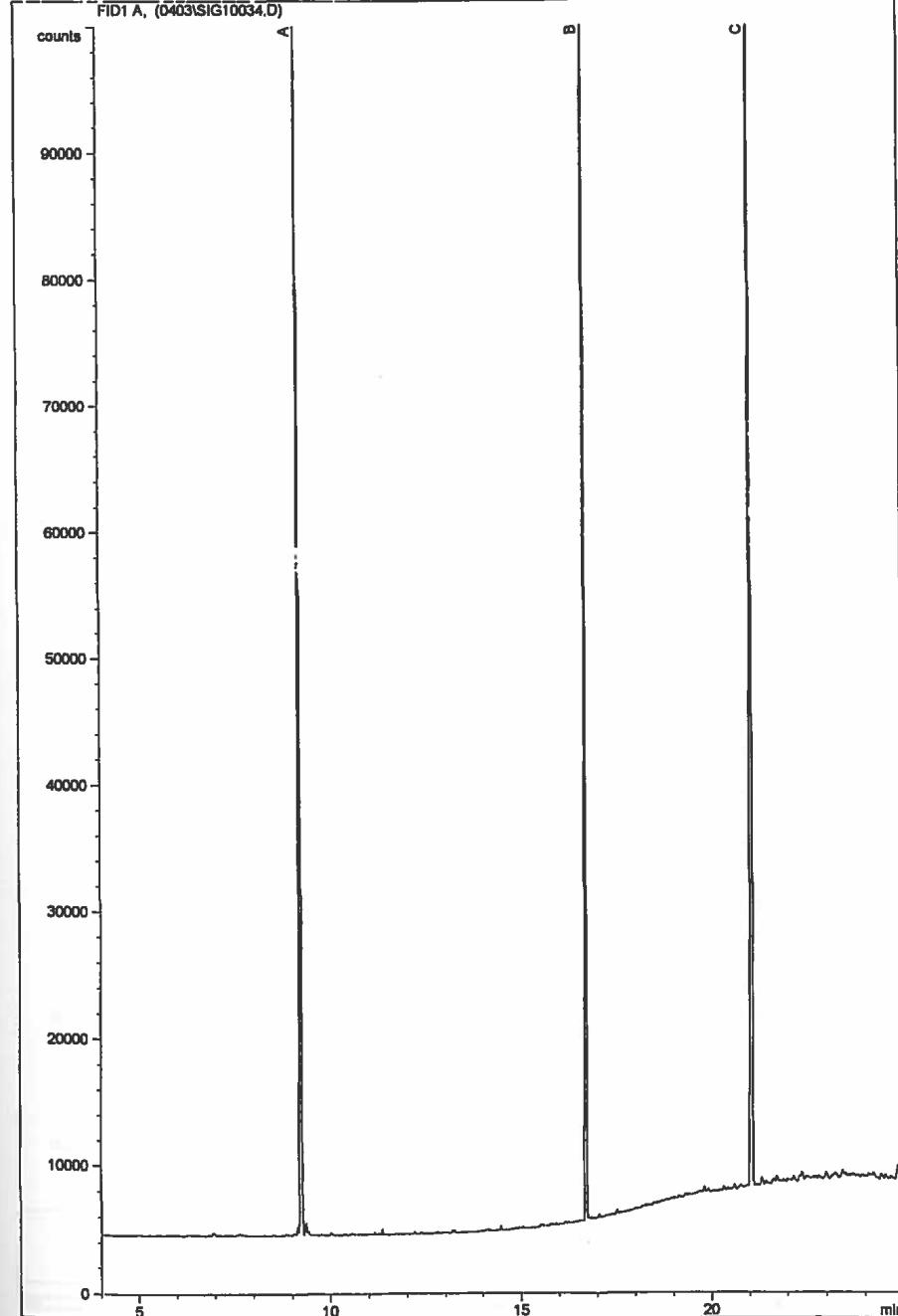
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ALcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

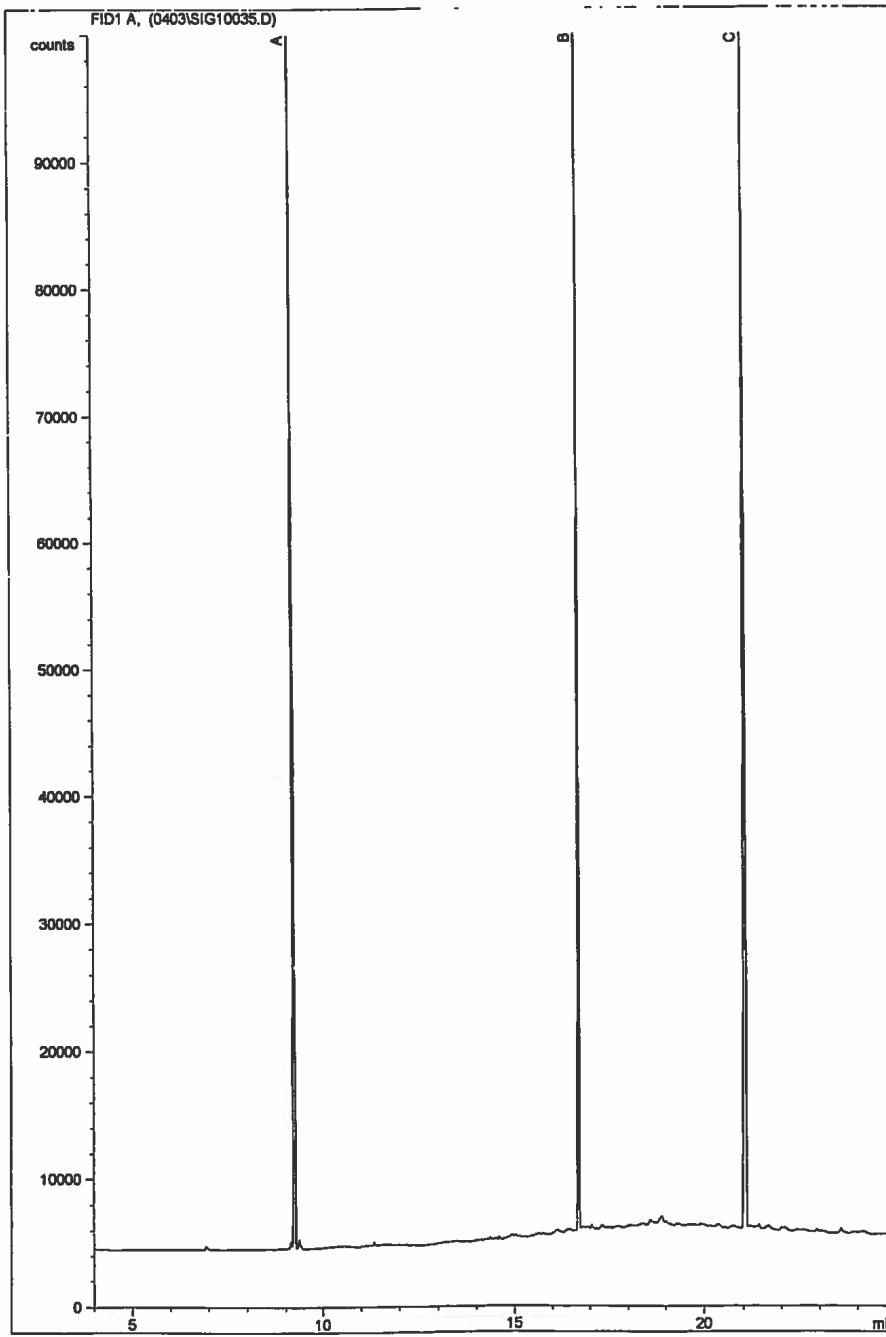
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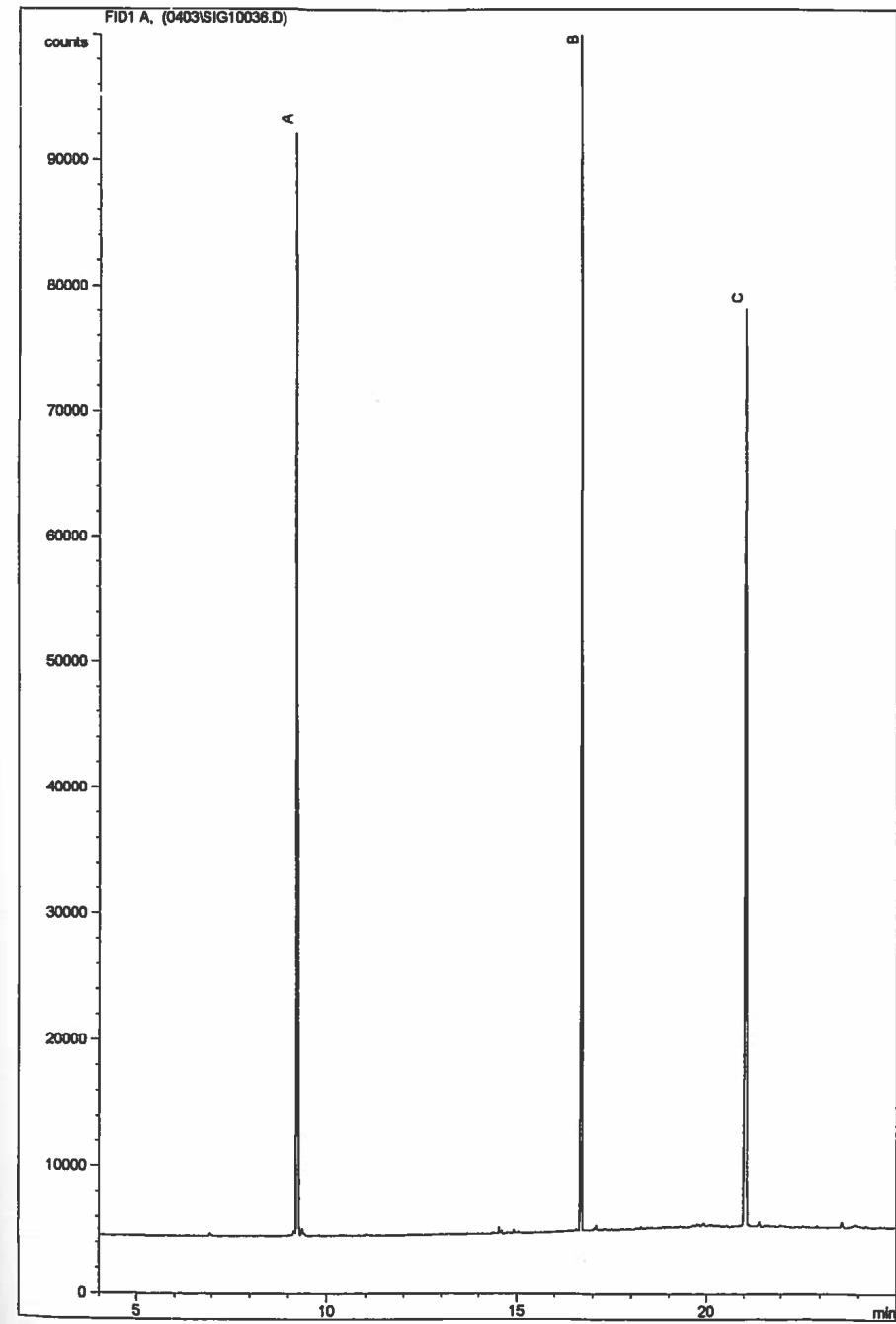
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Diesel Range Organics Analysis
By G.C.

2182-42



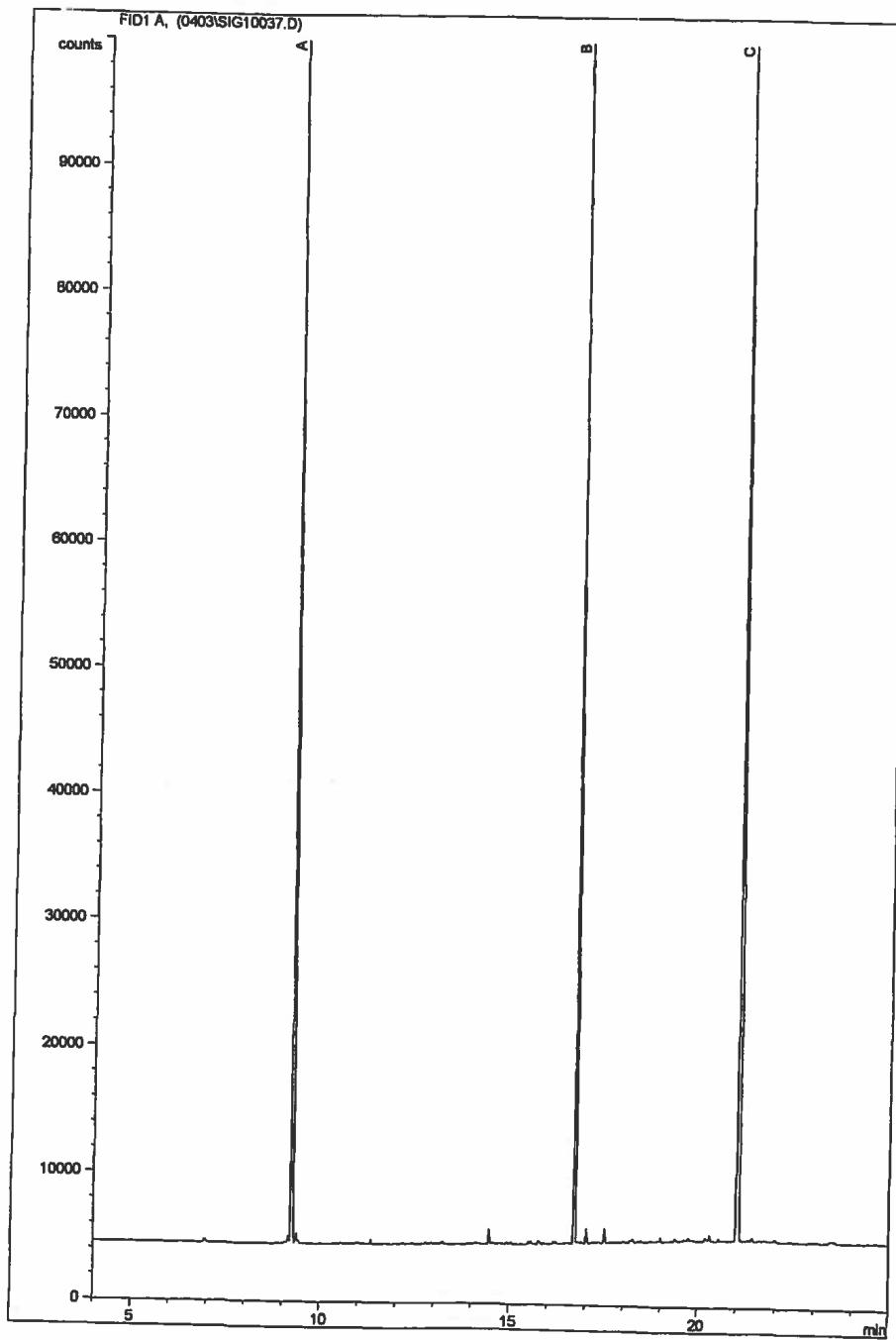
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Diesel Range Organics Analysis
By G.C.

2182-43



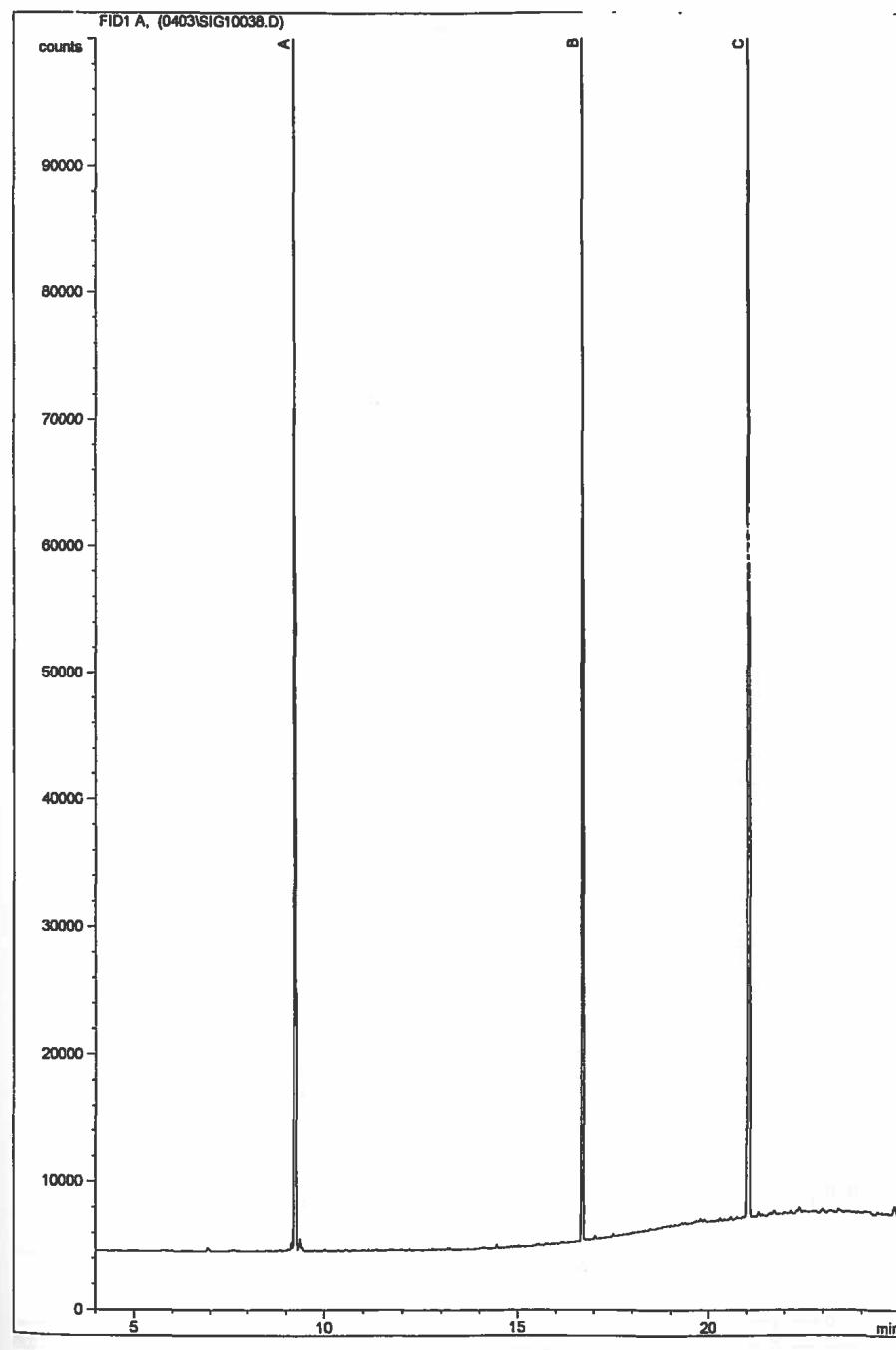
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Diesel Range Organics Analysis
By G.C.

2182-45



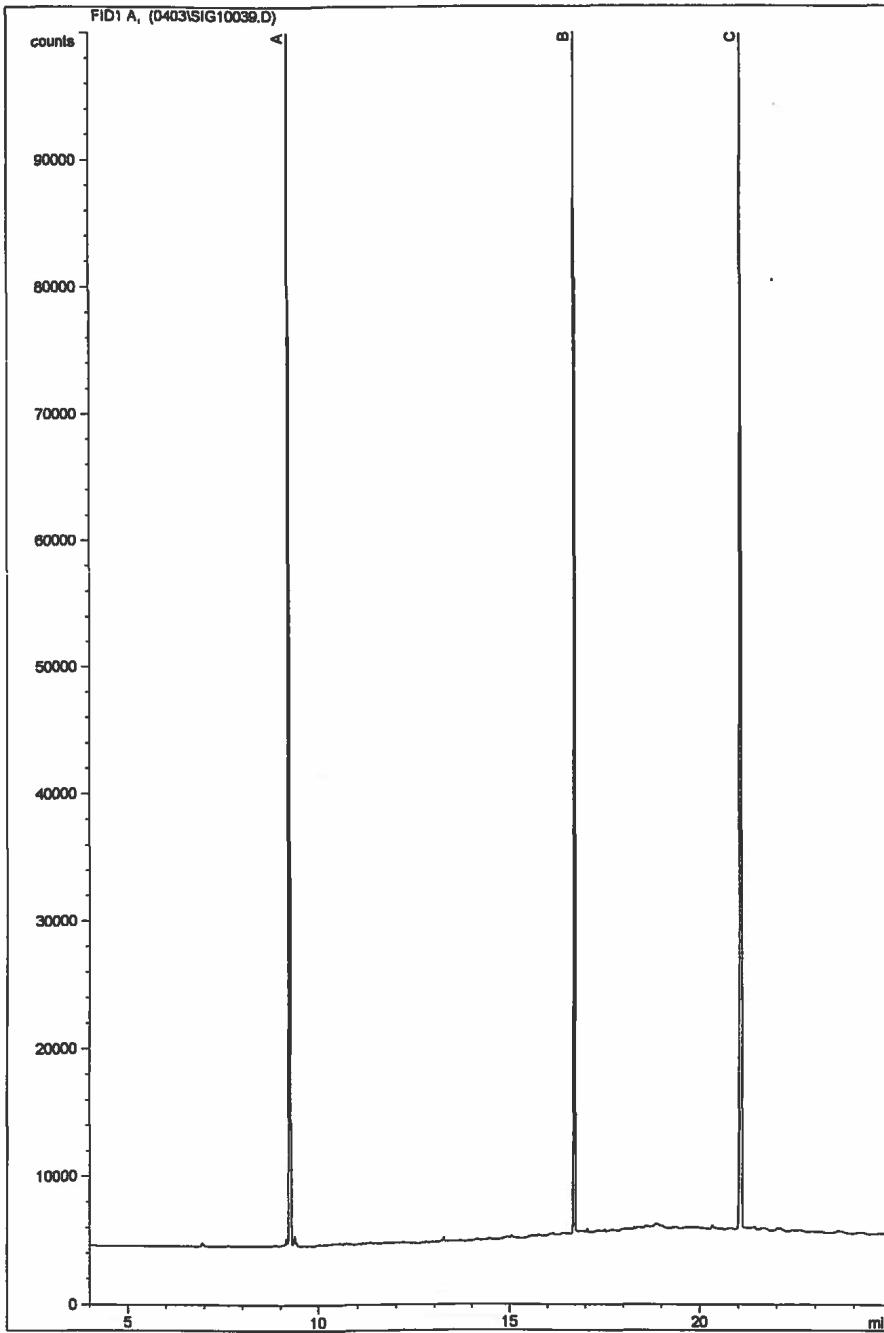
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Diesel Range Organics Analysis
By G.C.

2182-47



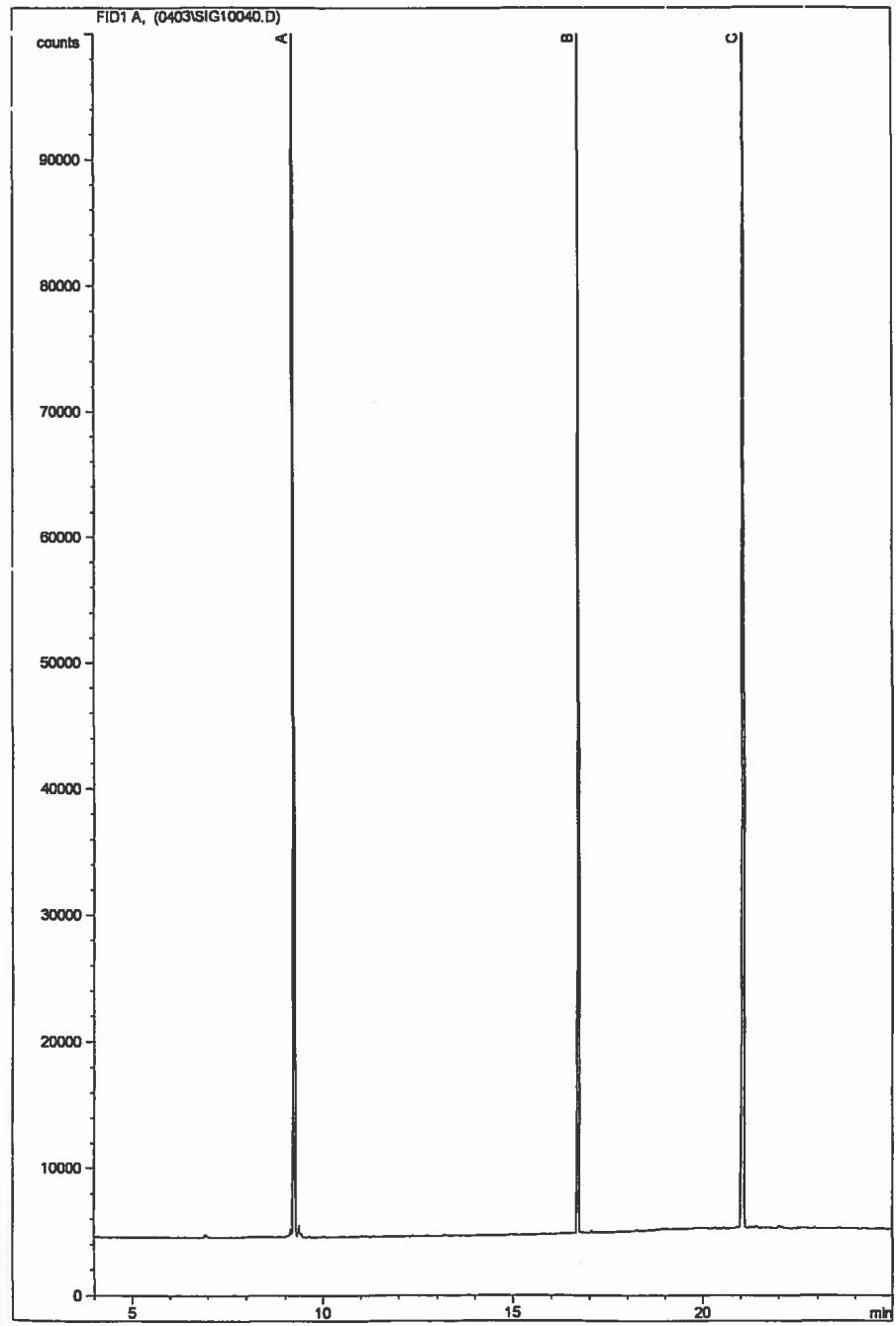
AIcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-50



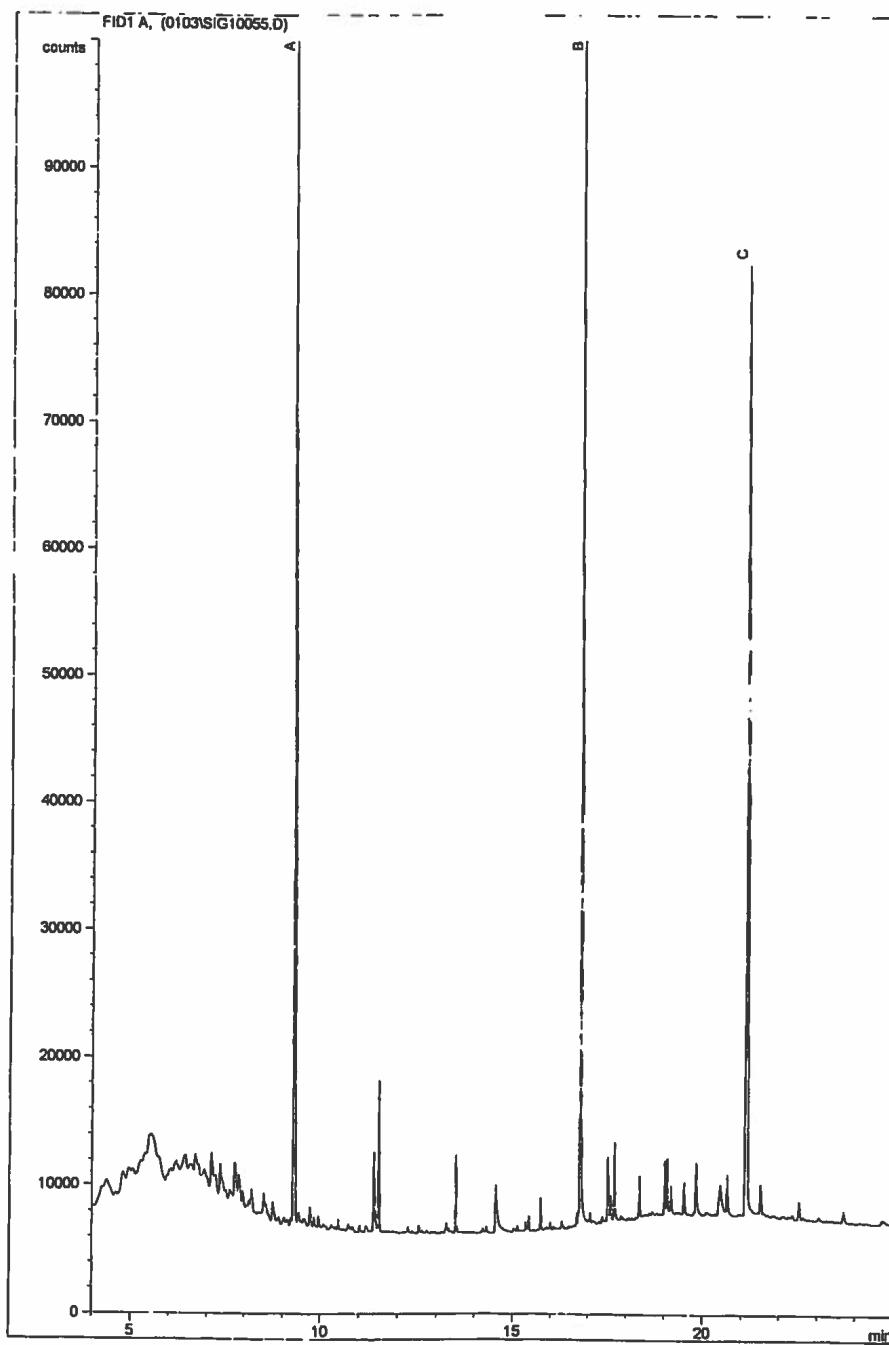
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Diesel Range Organics Analysis
By G.C.

2182-53



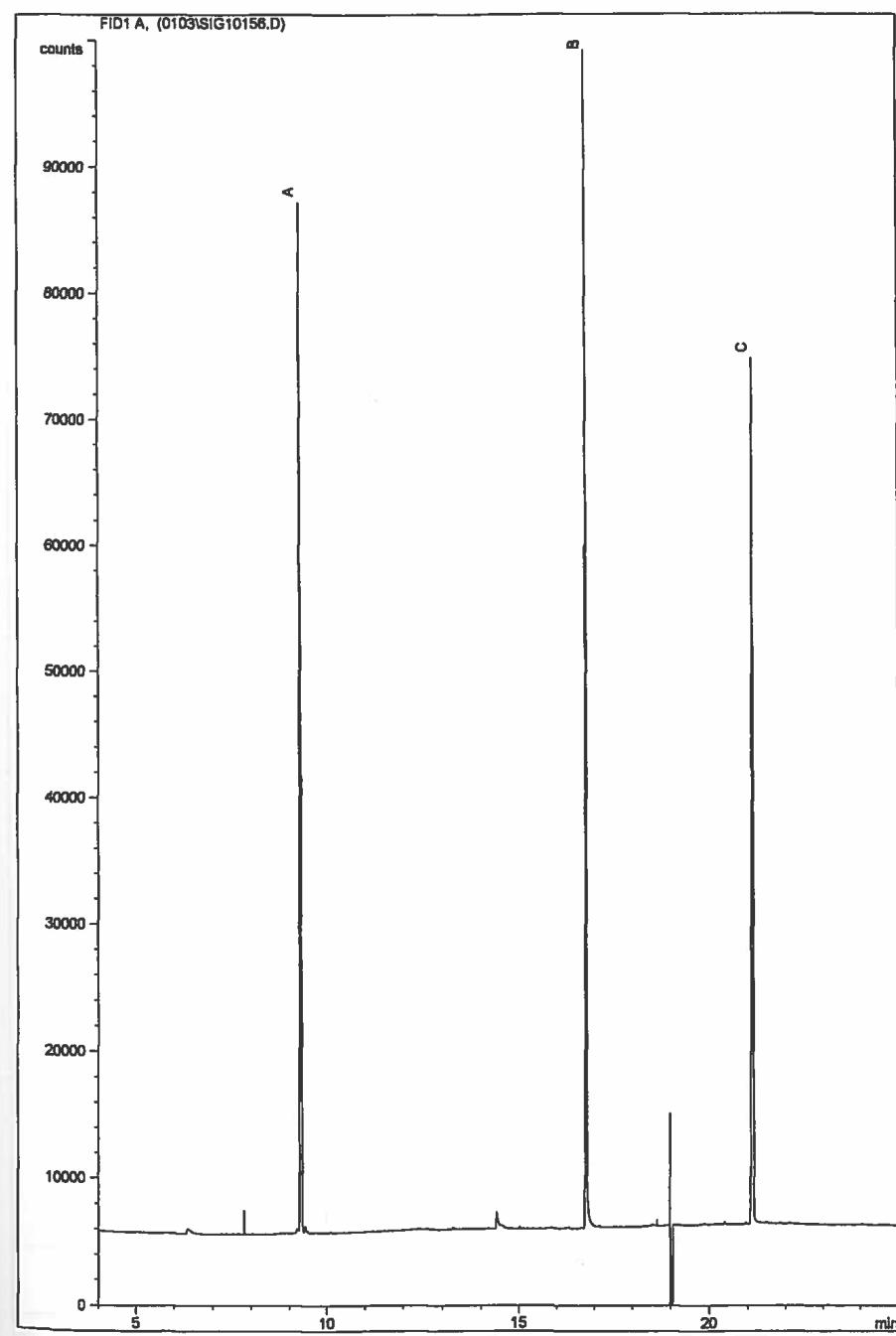
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Diesel Range Organics Analysis
By G.C.

2182-6



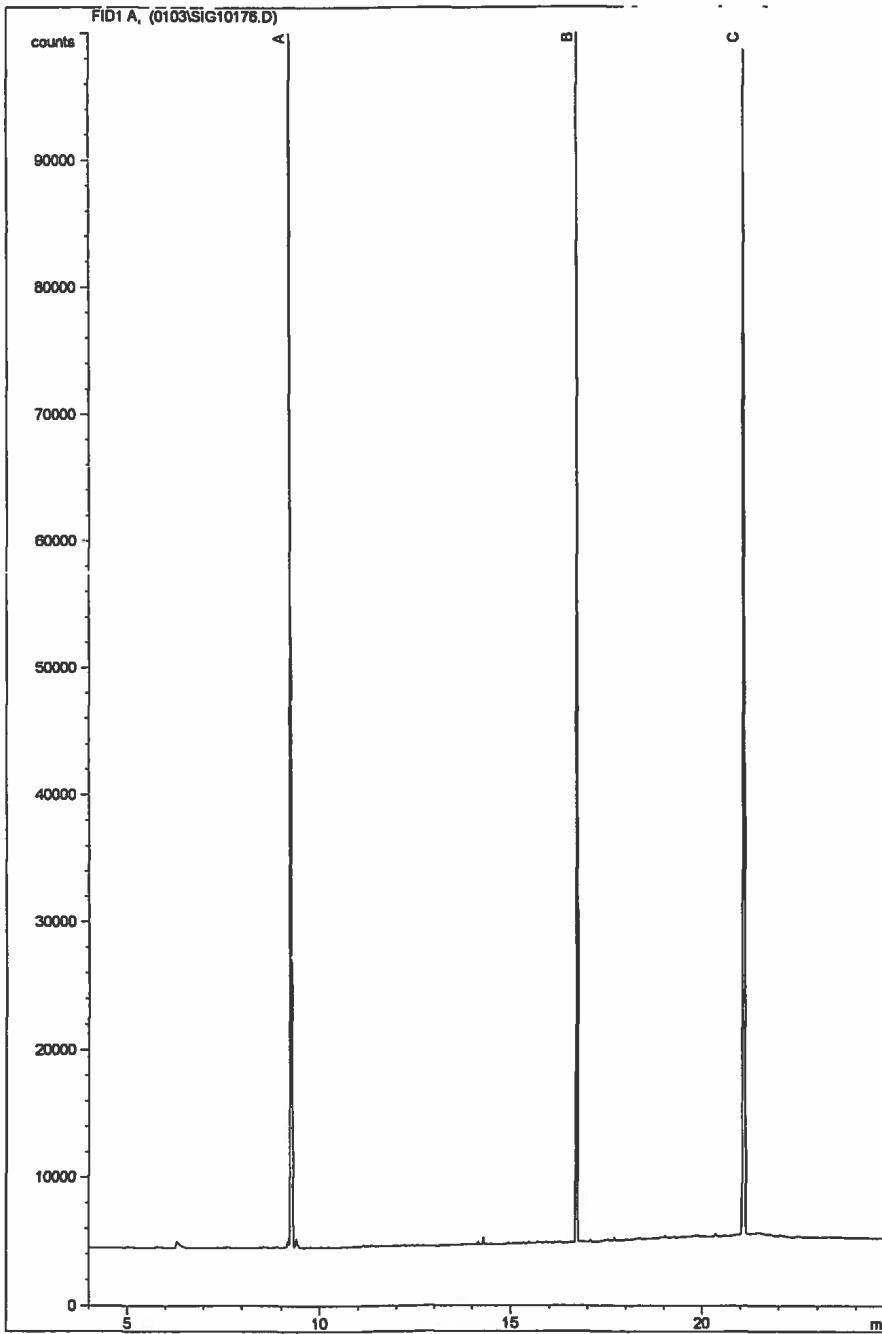
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Diesel Range Organics Analysis
By G.C.

2182-08L



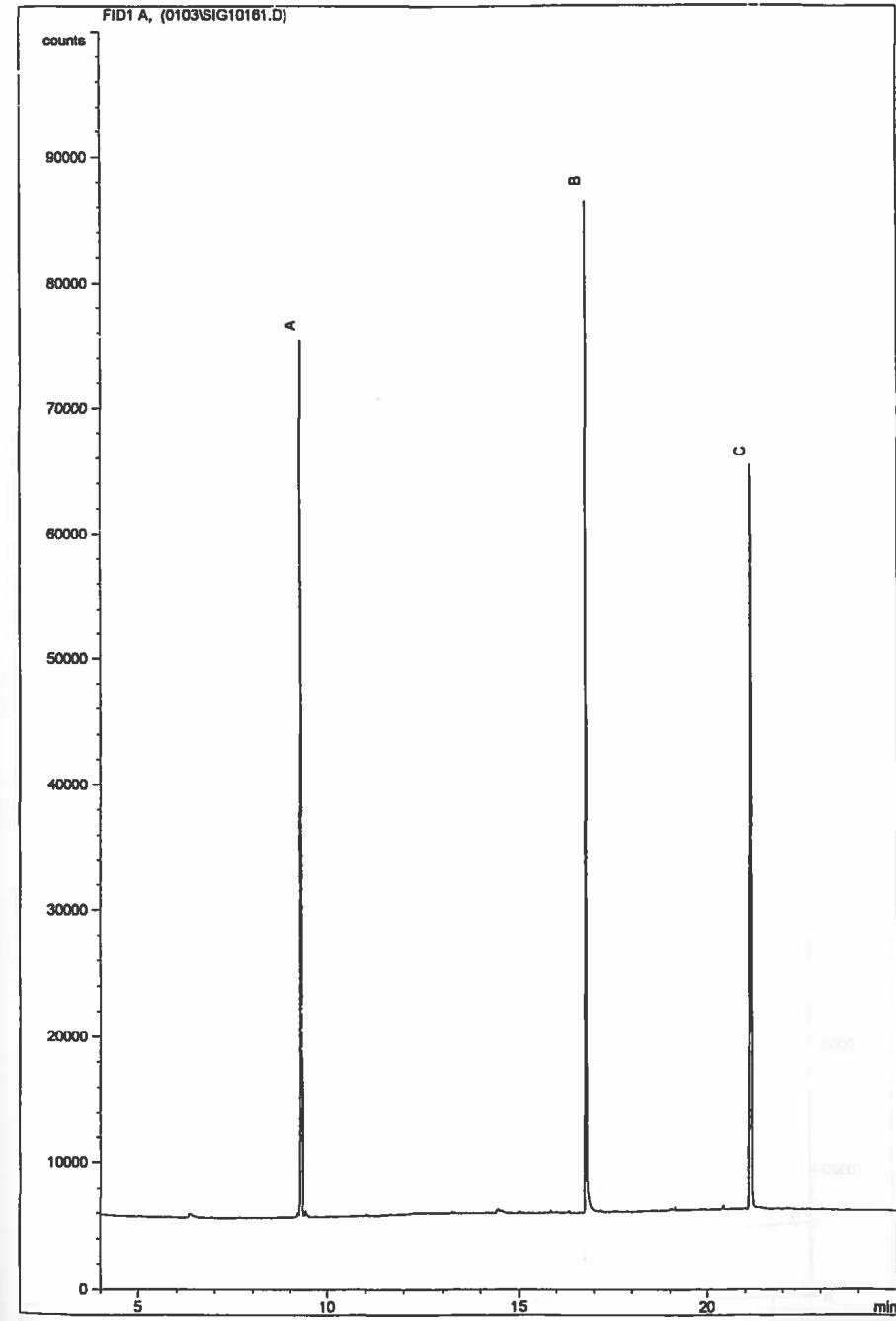
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Diesel Range Organics Analysis
By G.C.

2182-14L



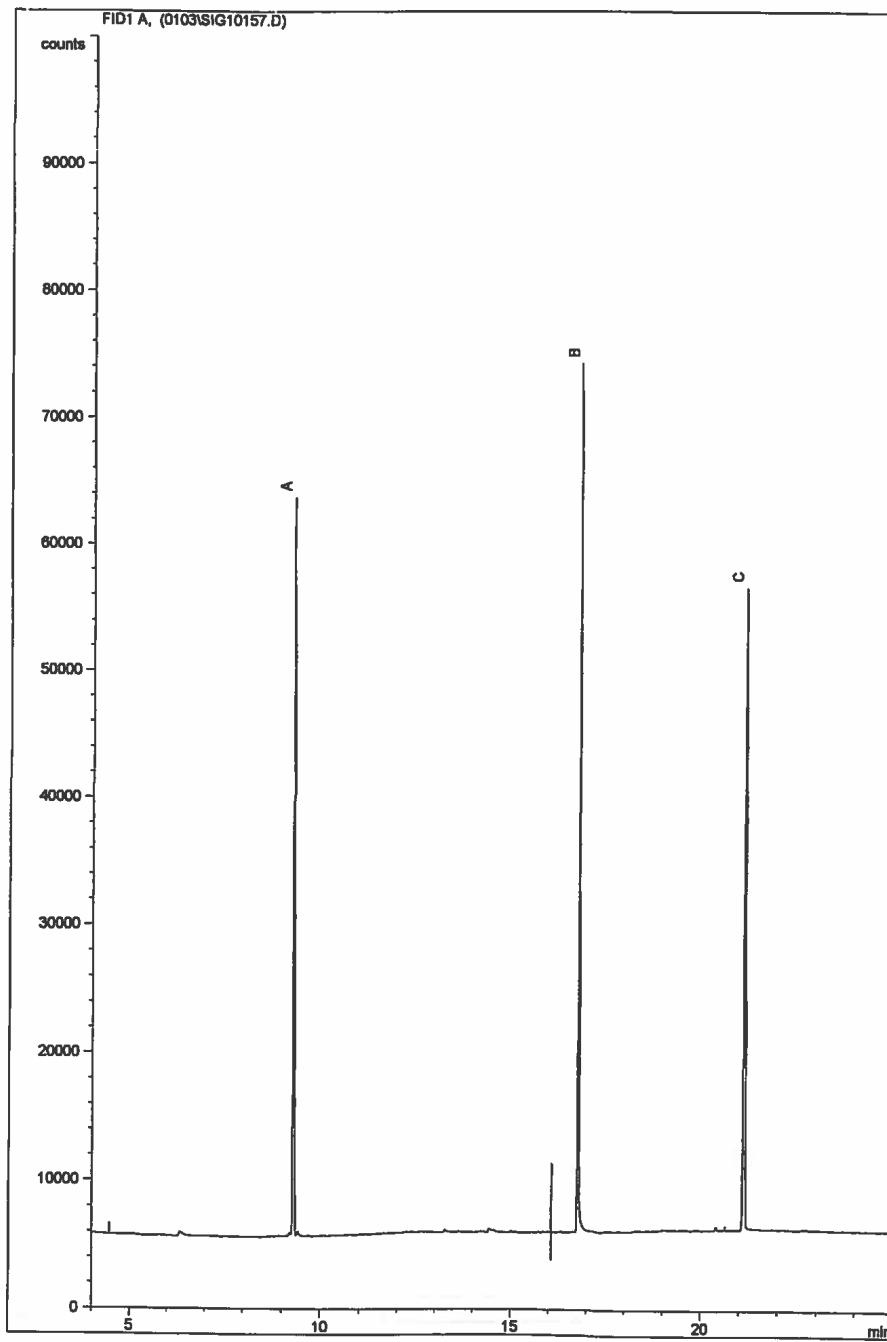
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Diesel Range Organics Analysis
By G.C.

2182-18L



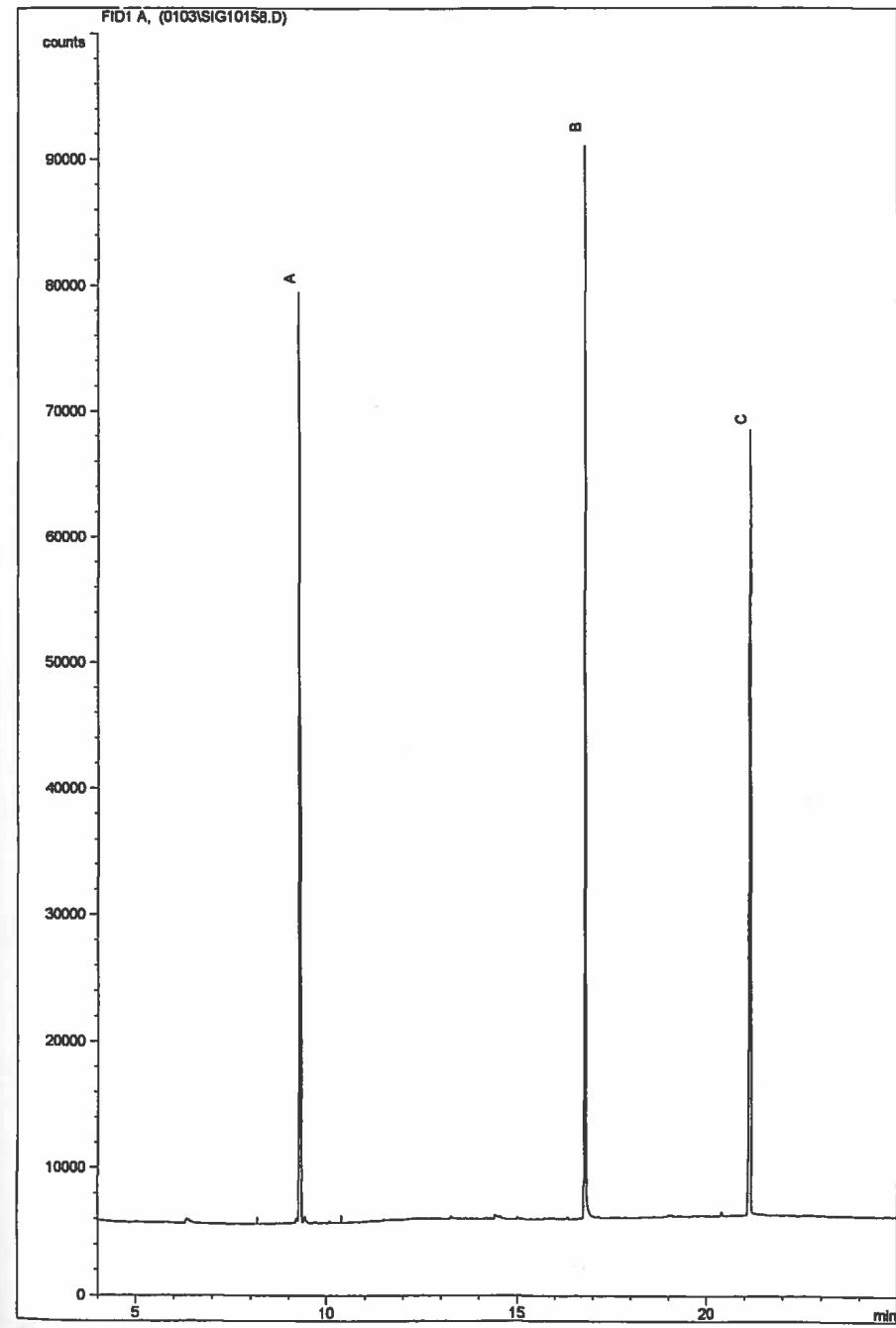
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Diesel Range Organics Analysis
By G.C.

2182-22L



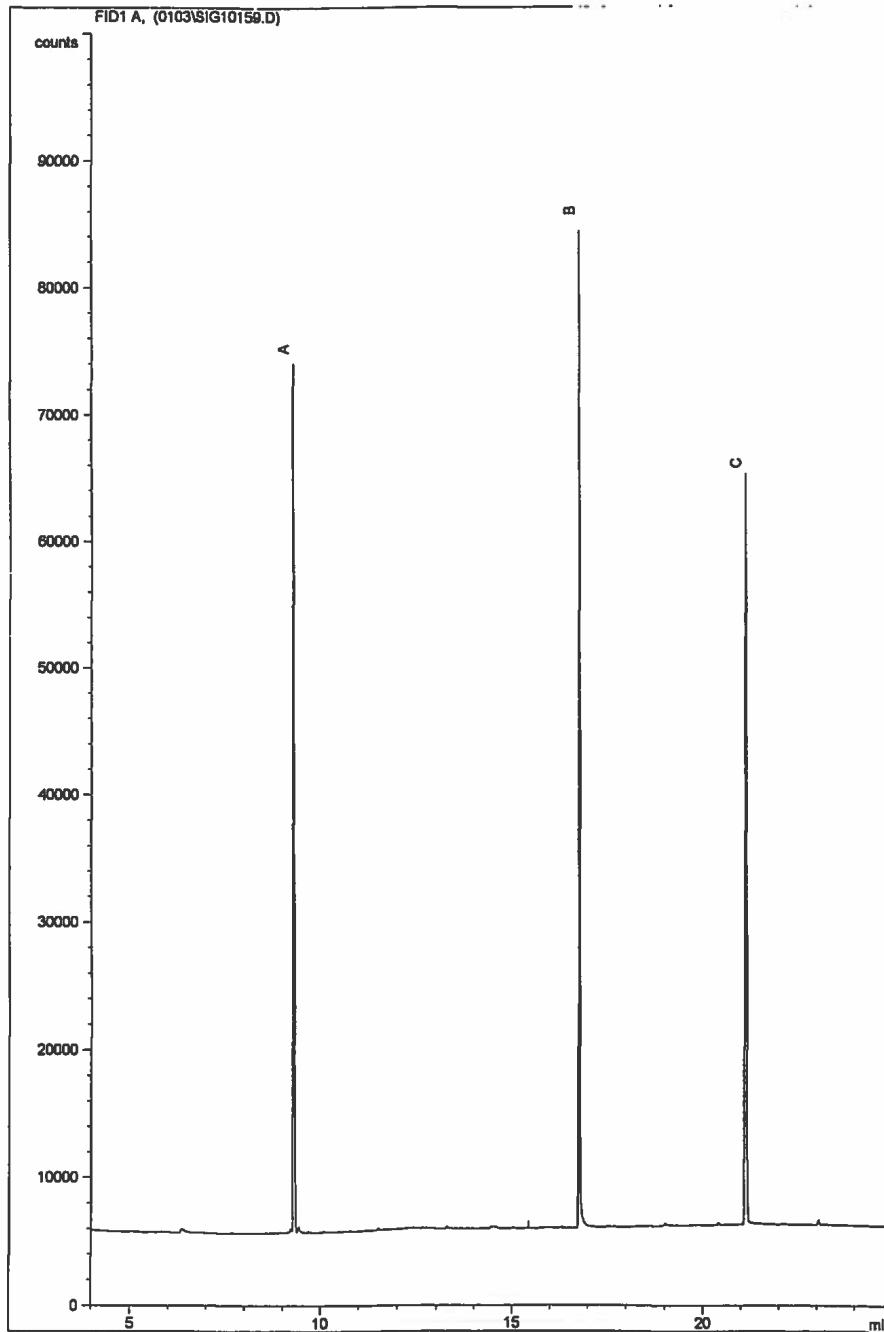
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Diesel Range Organics Analysis
By G.C.

2182-24L



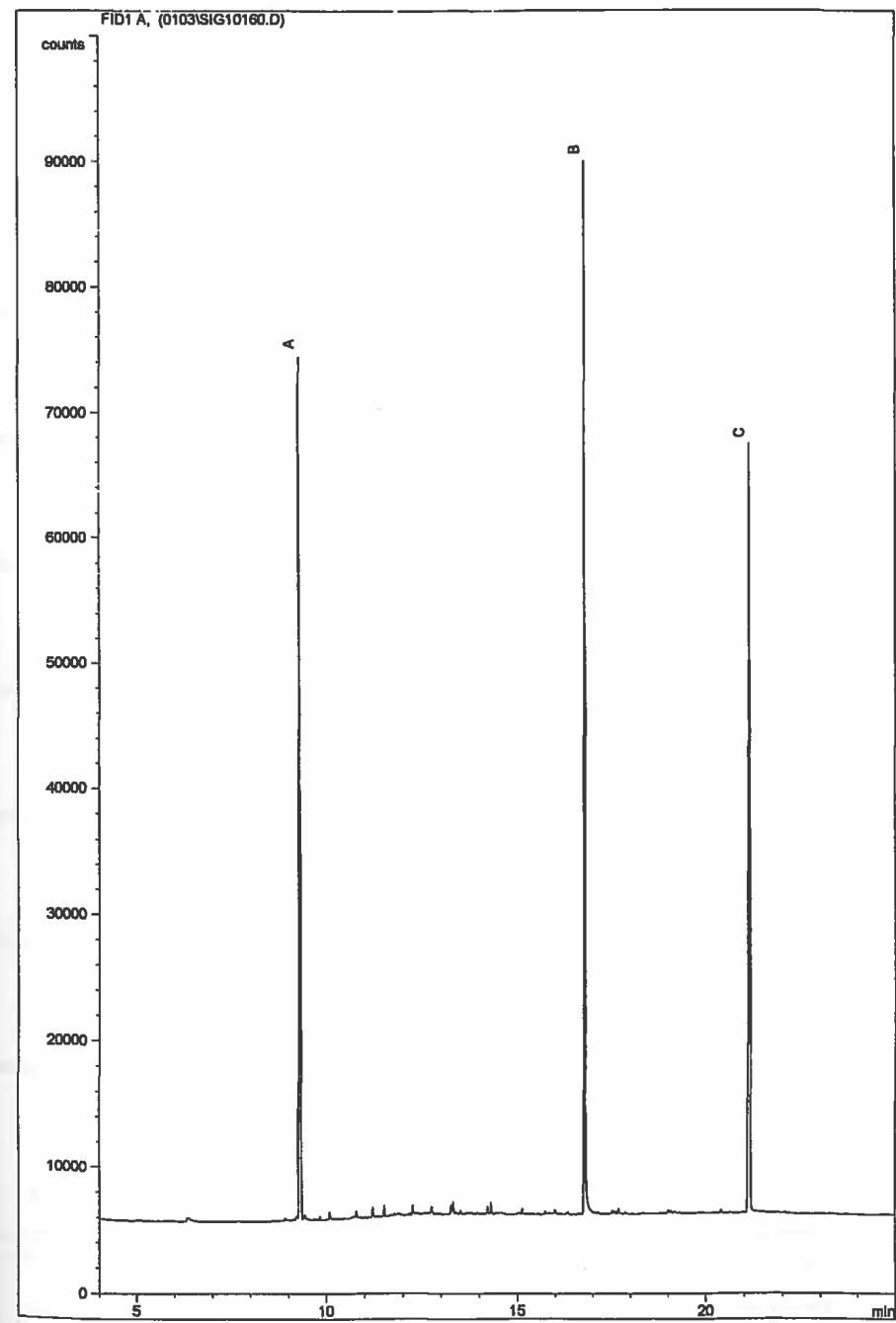
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Diesel Range Organics Analysis
By G.C.

2182-45L



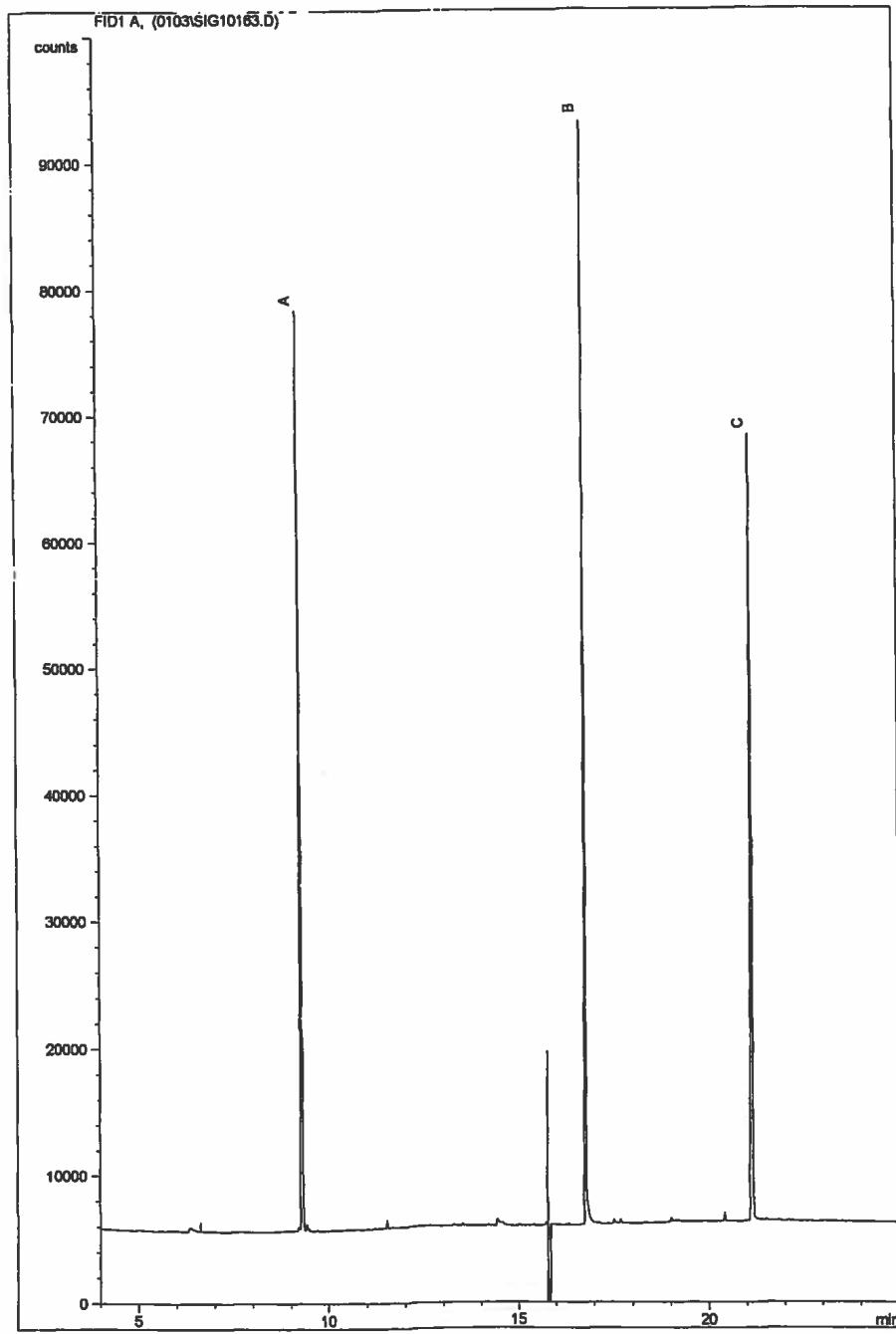
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Diesel Range Organics Analysis
By G.C.

2182-48L



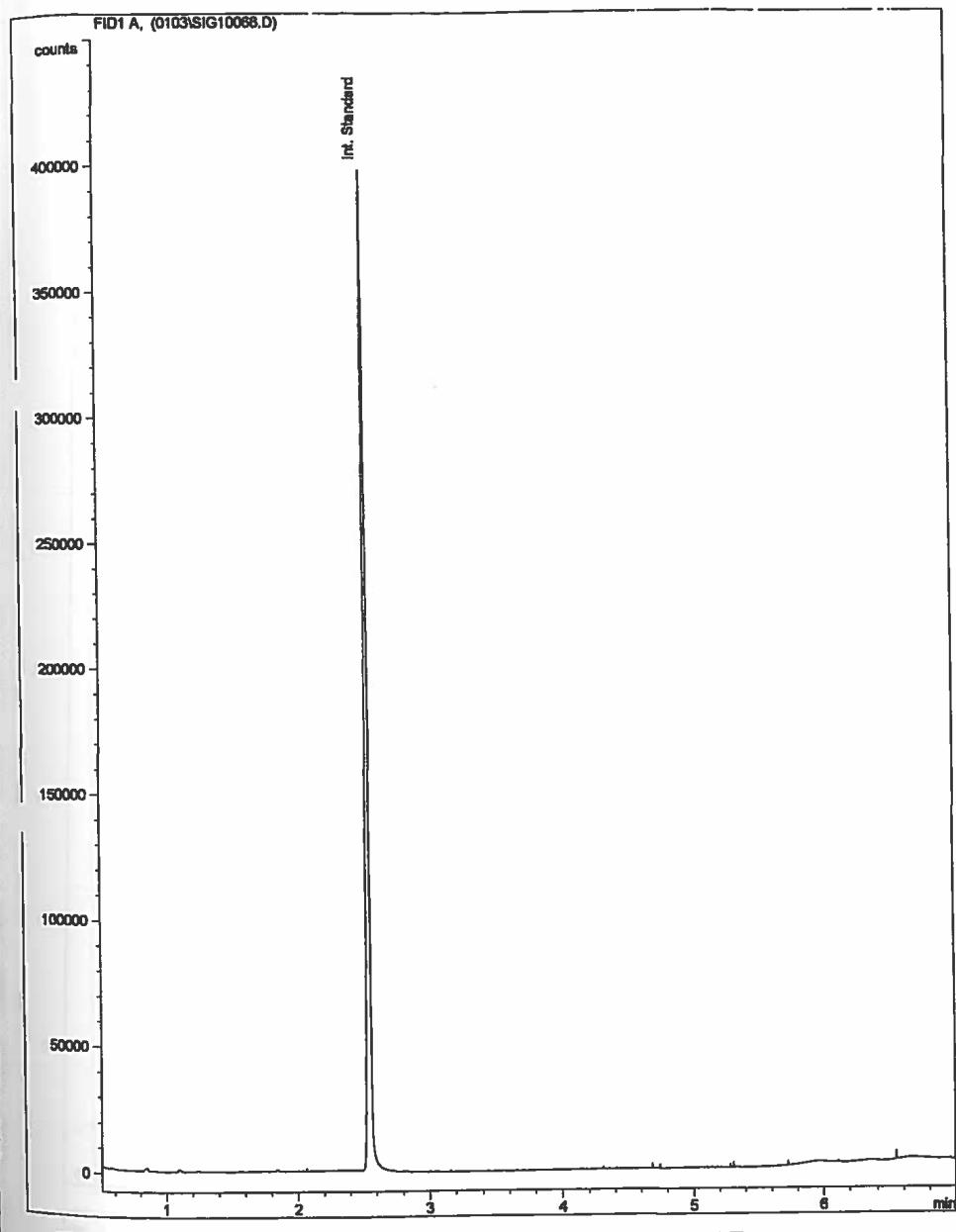
Alcontrol Laboratories Ireland
Diesel Range Organics Analysis
By G.C.

2182-55L



Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-7

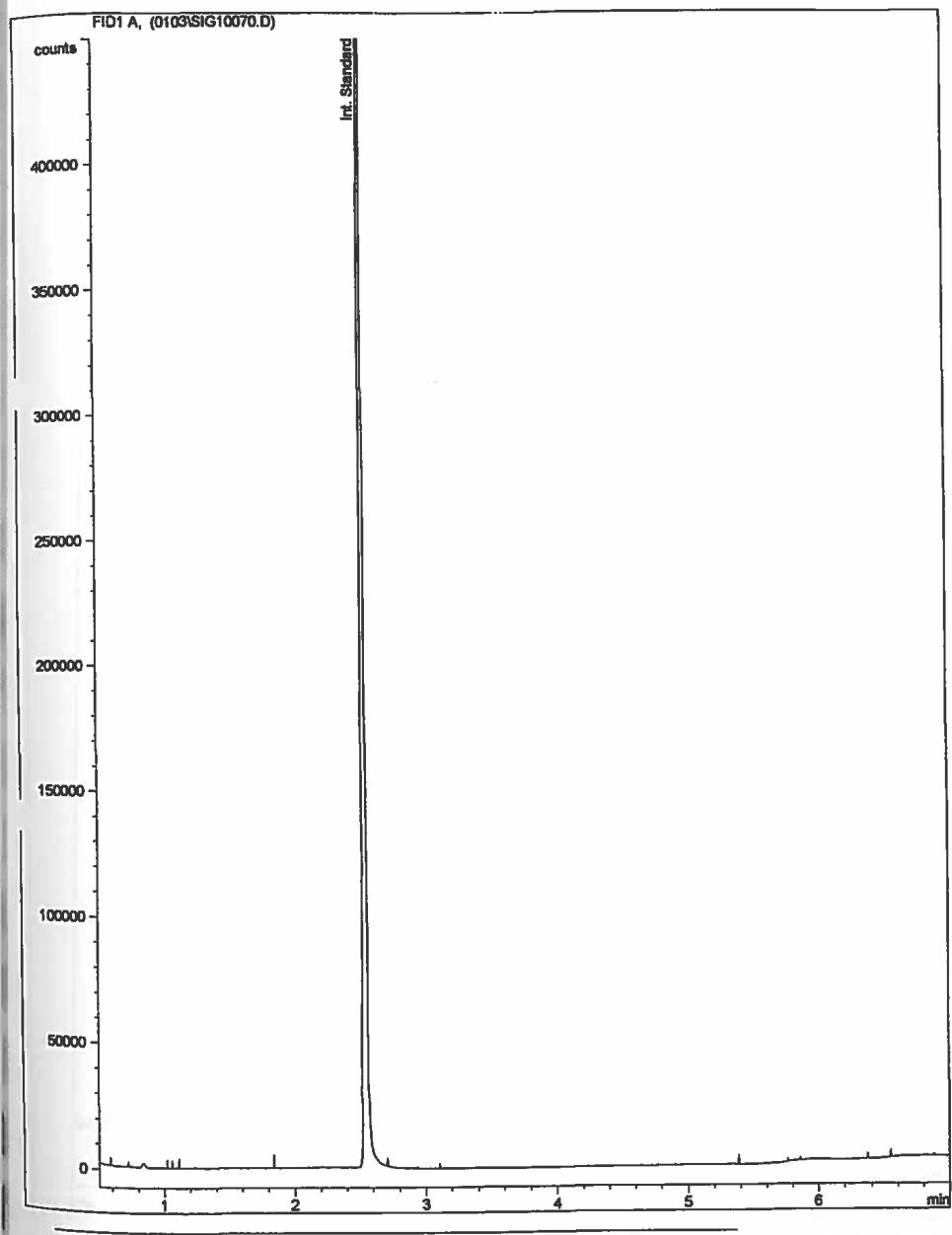
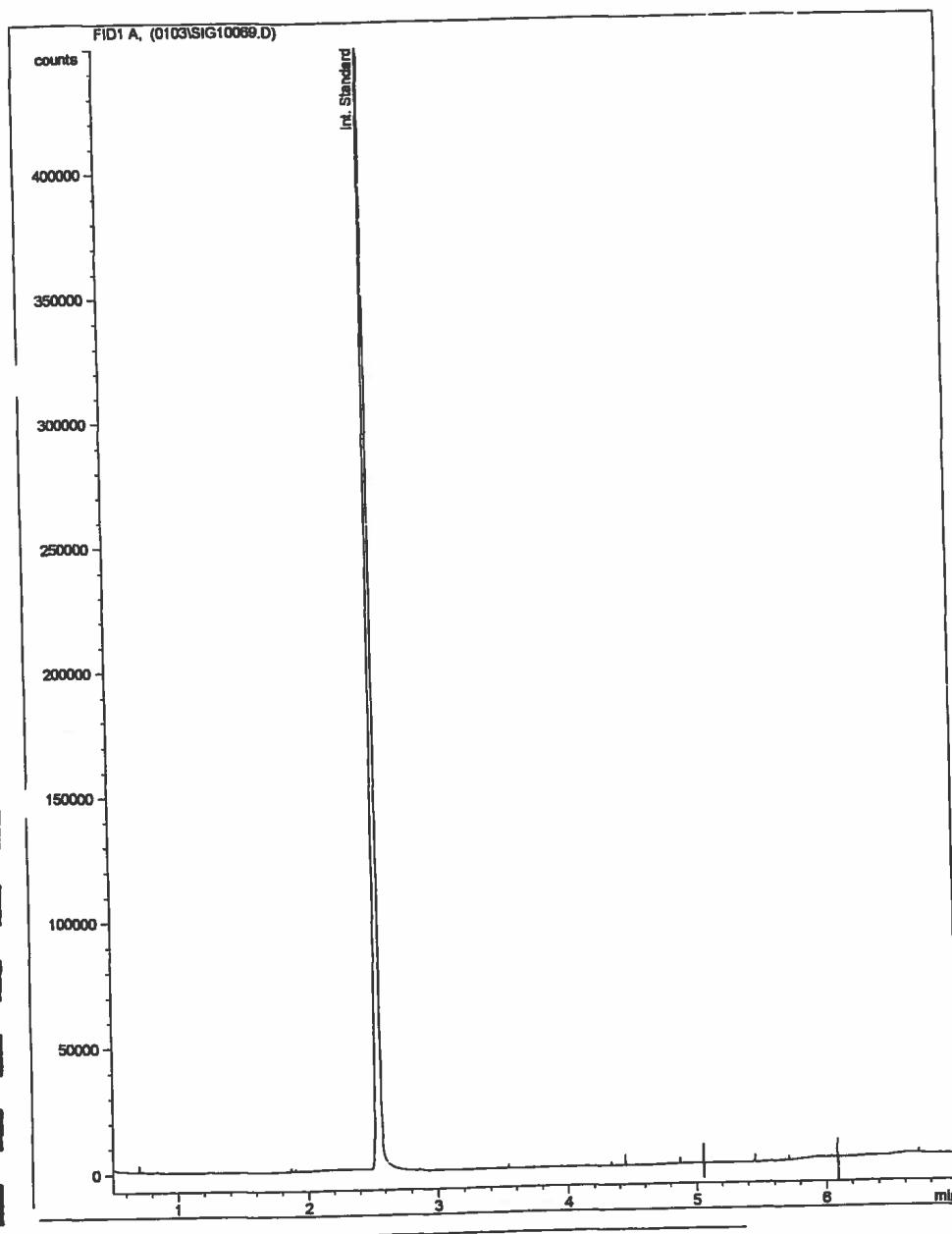


Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-9

Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-10

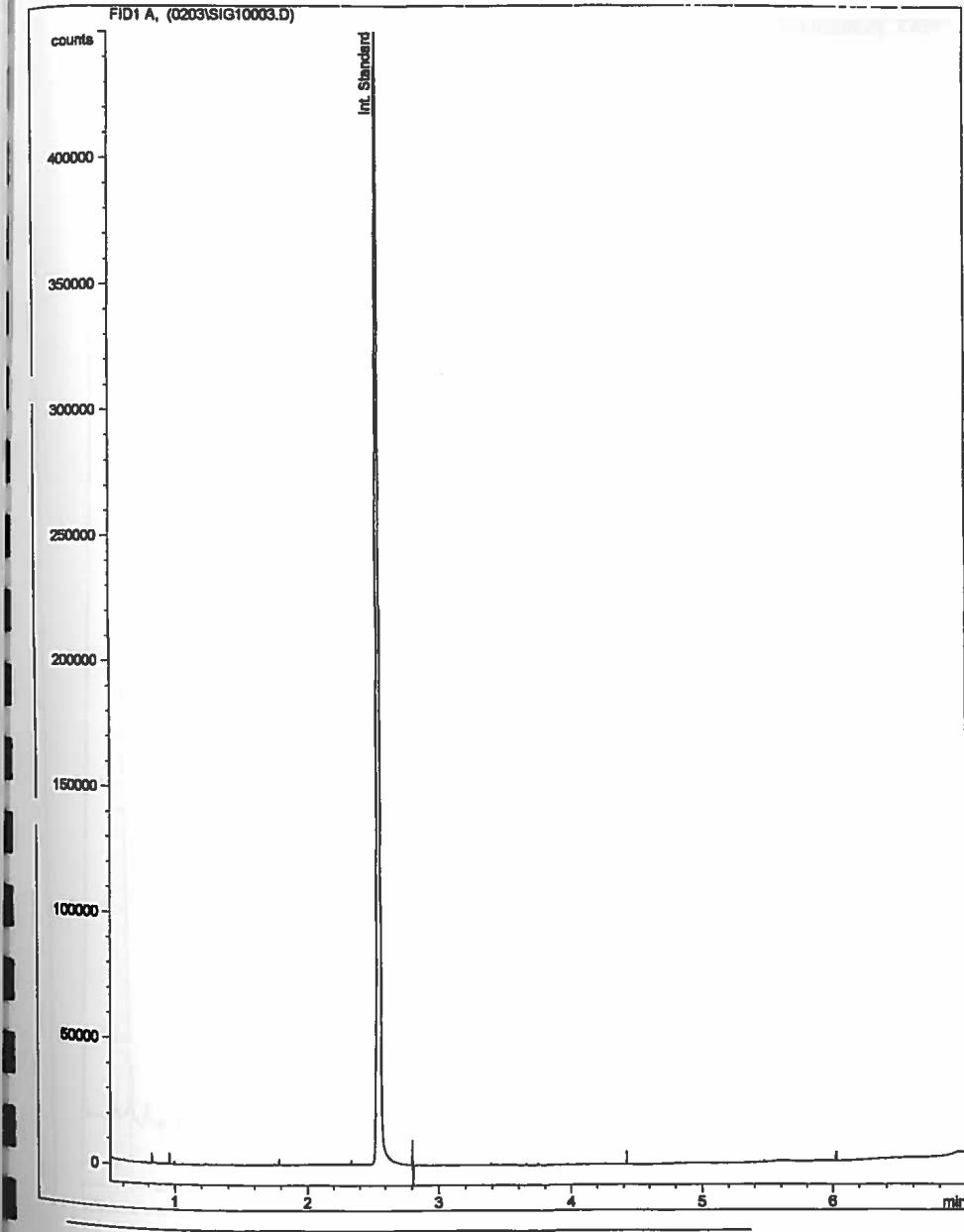
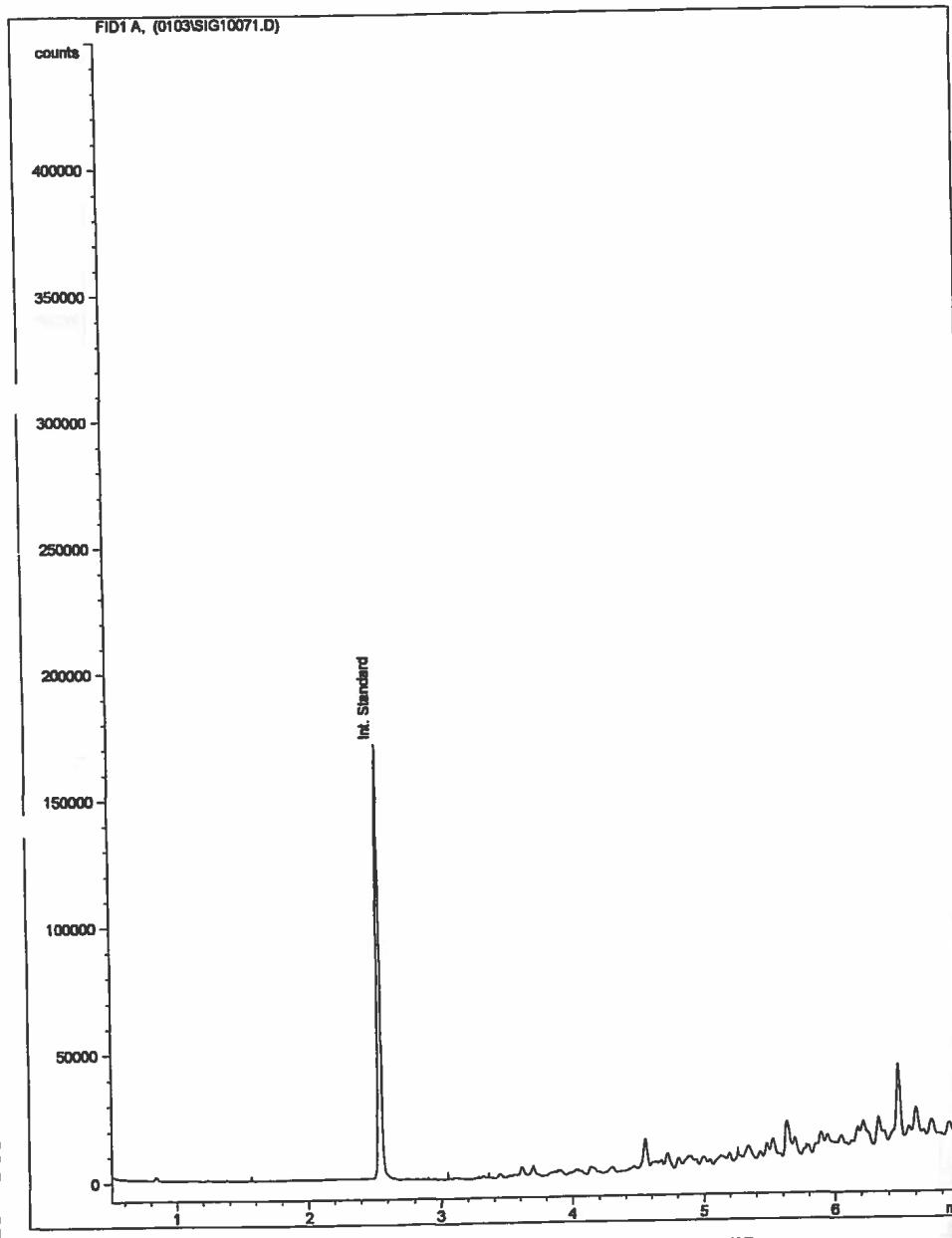


Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-11

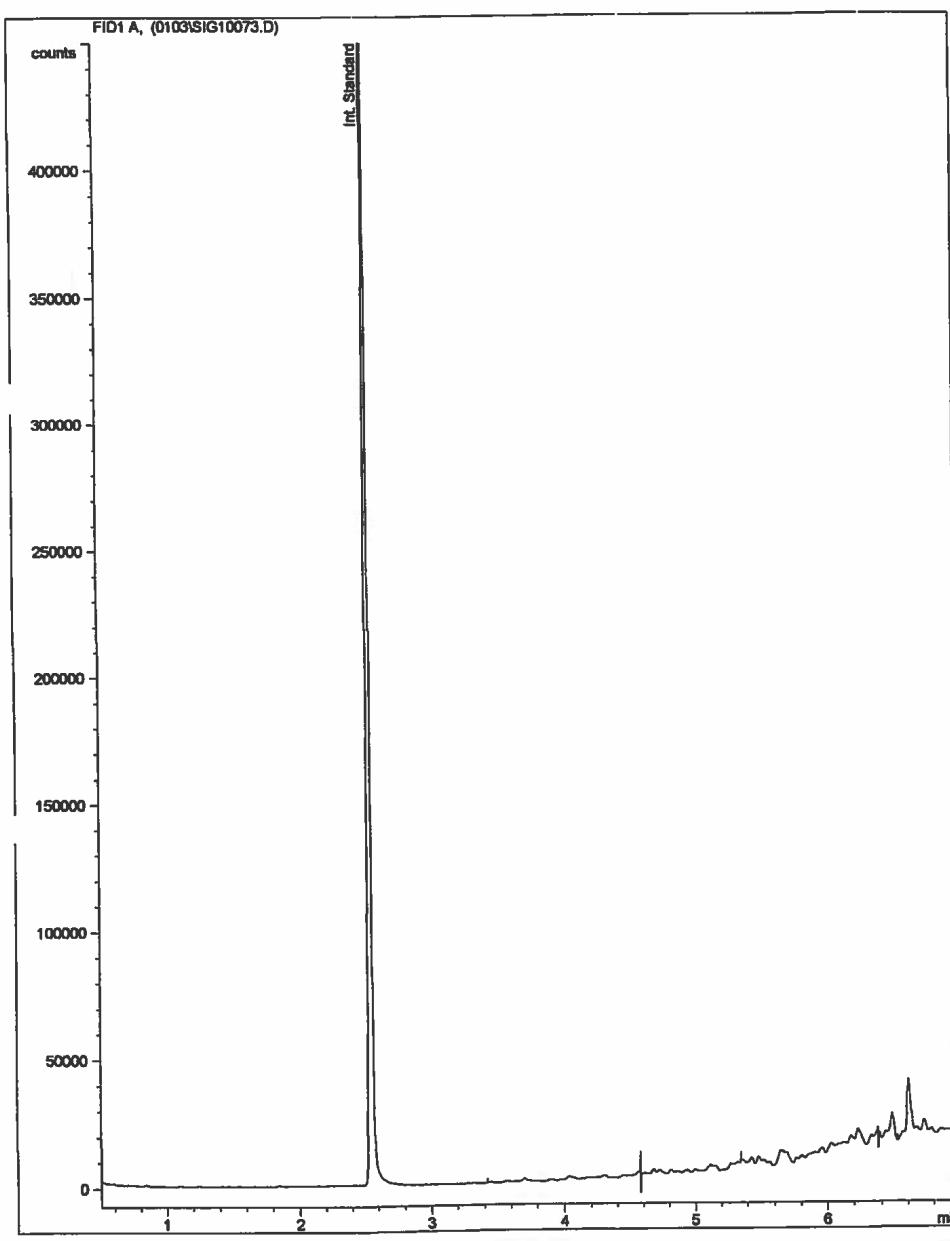
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-13



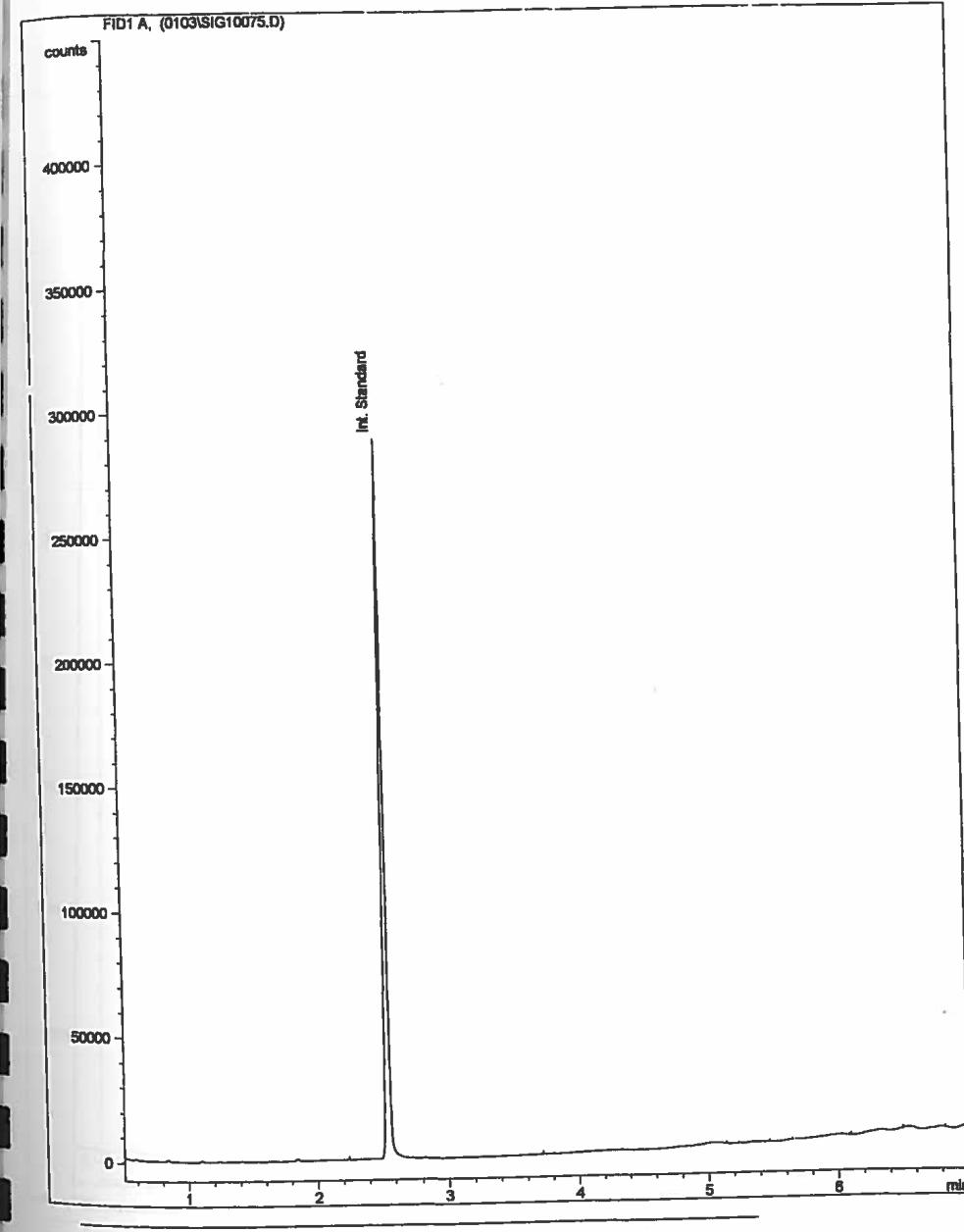
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-15



Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-16

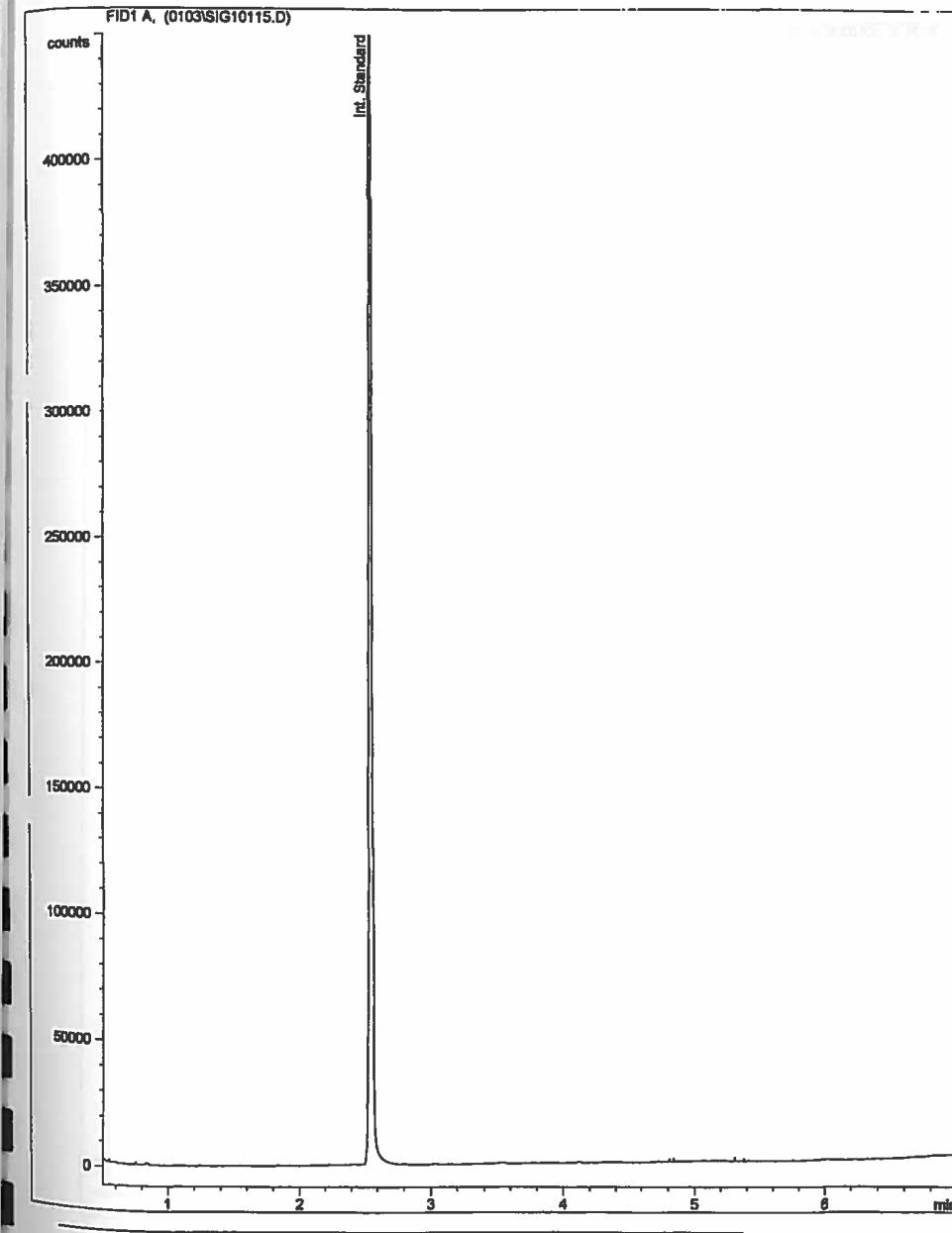
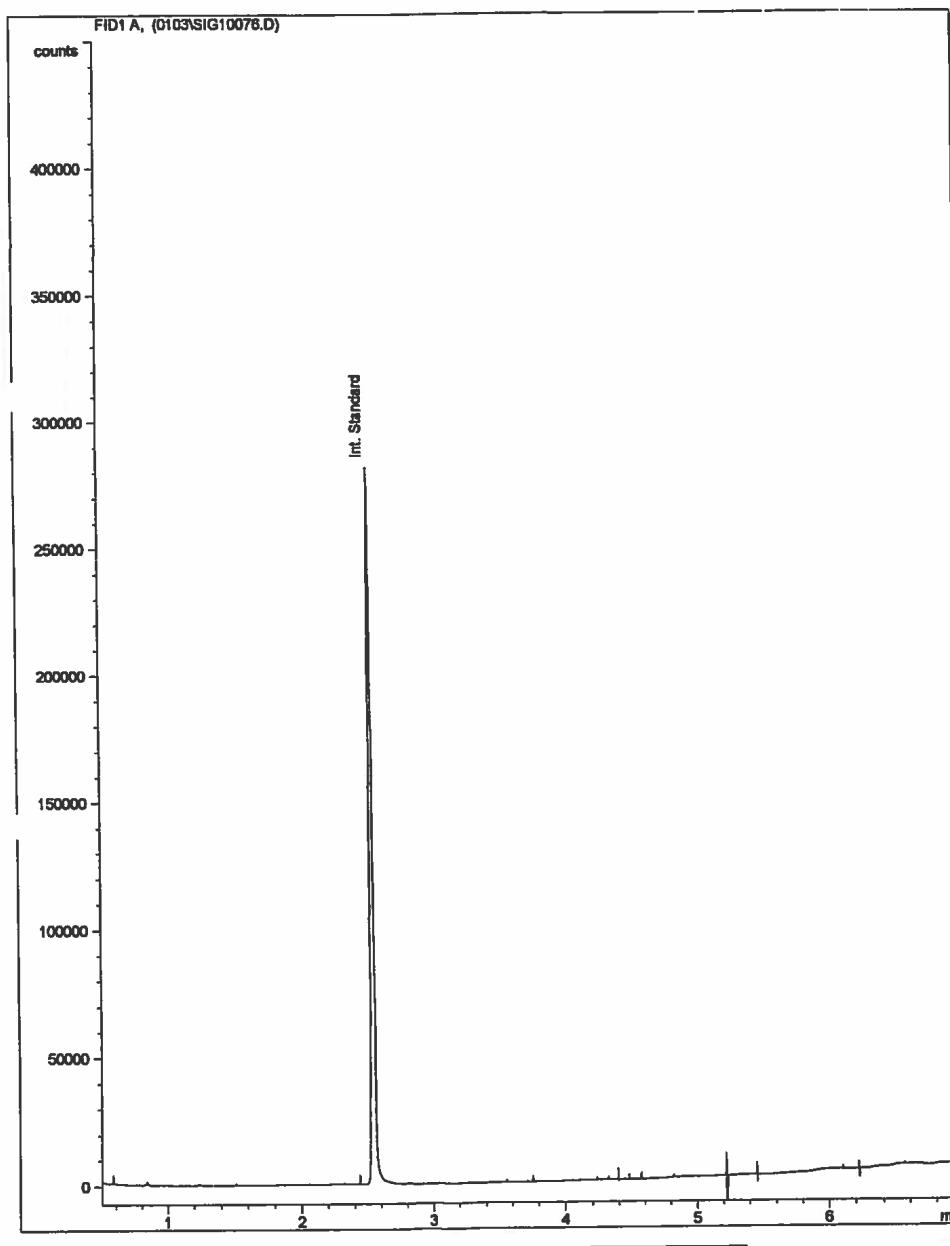


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2182-19

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GRO/MTBE Analysis
By G.C.

2182-23

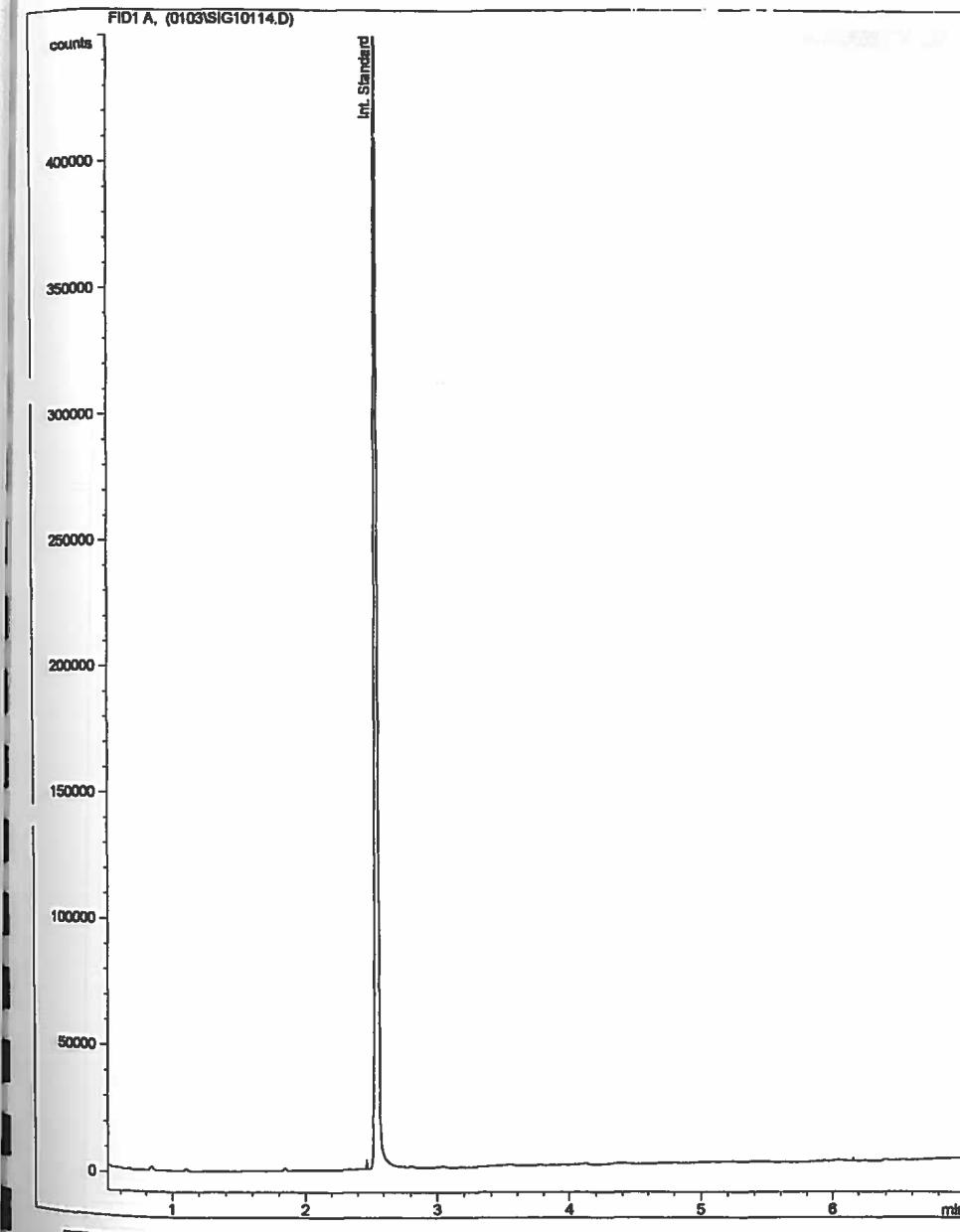
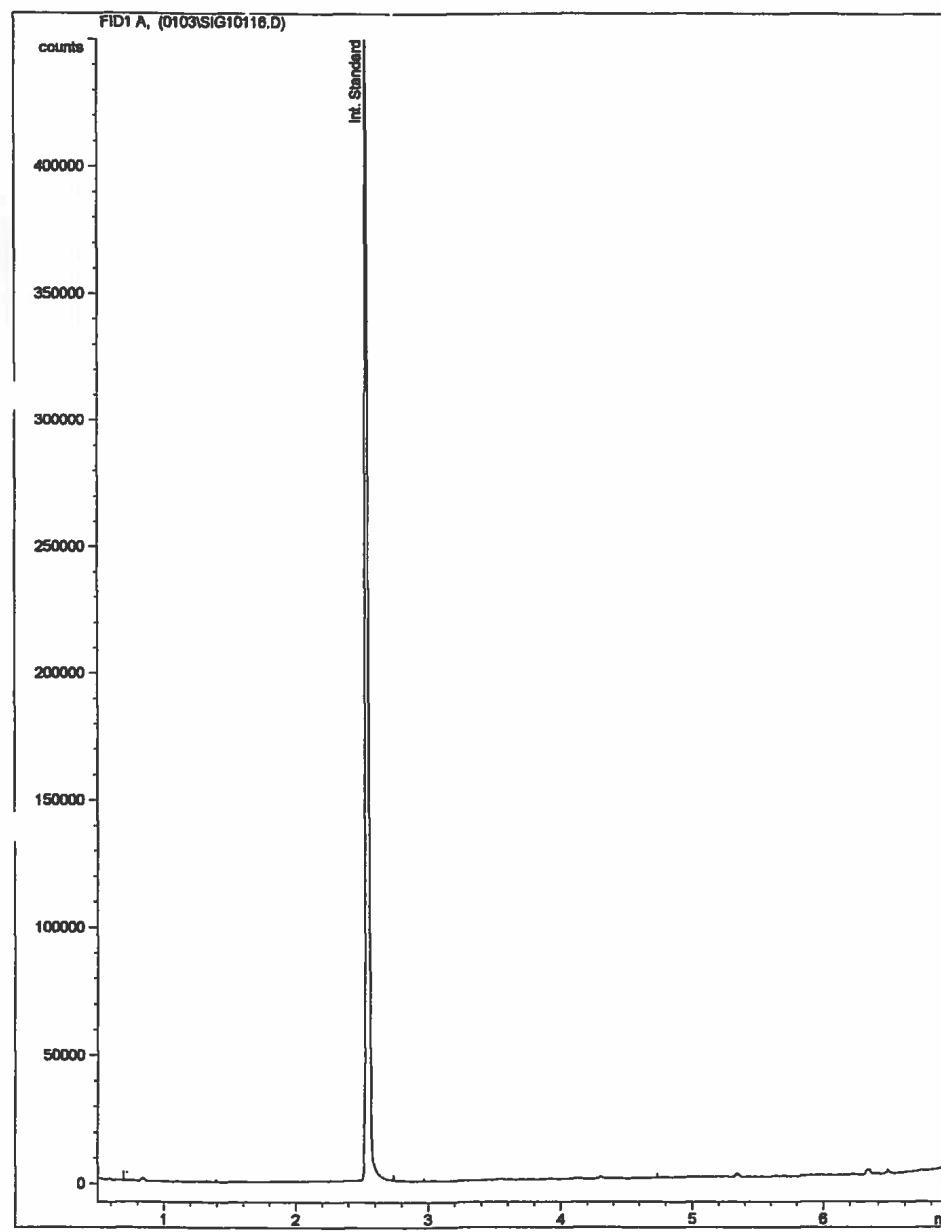


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By G.C.

2102-25

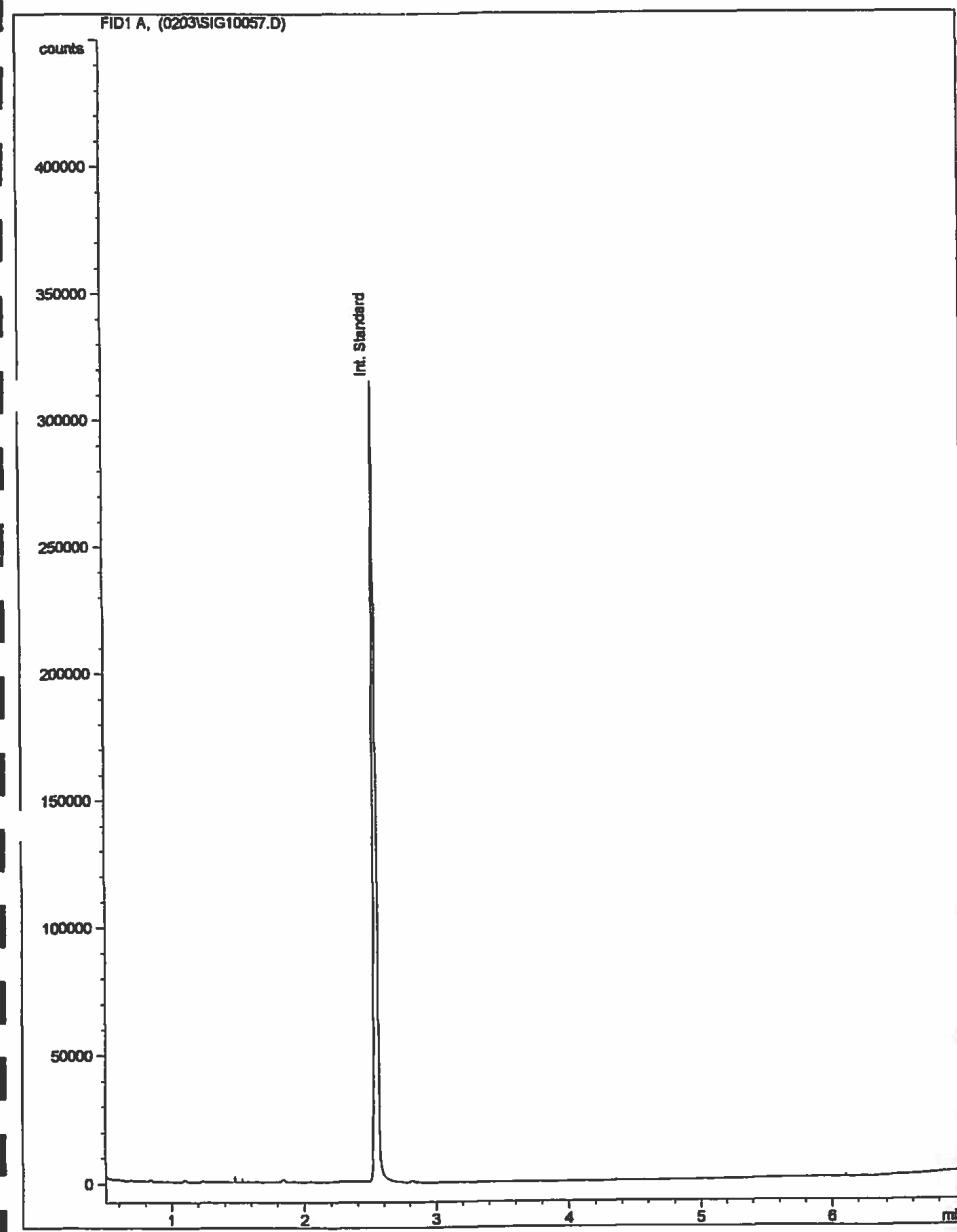
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2102-28



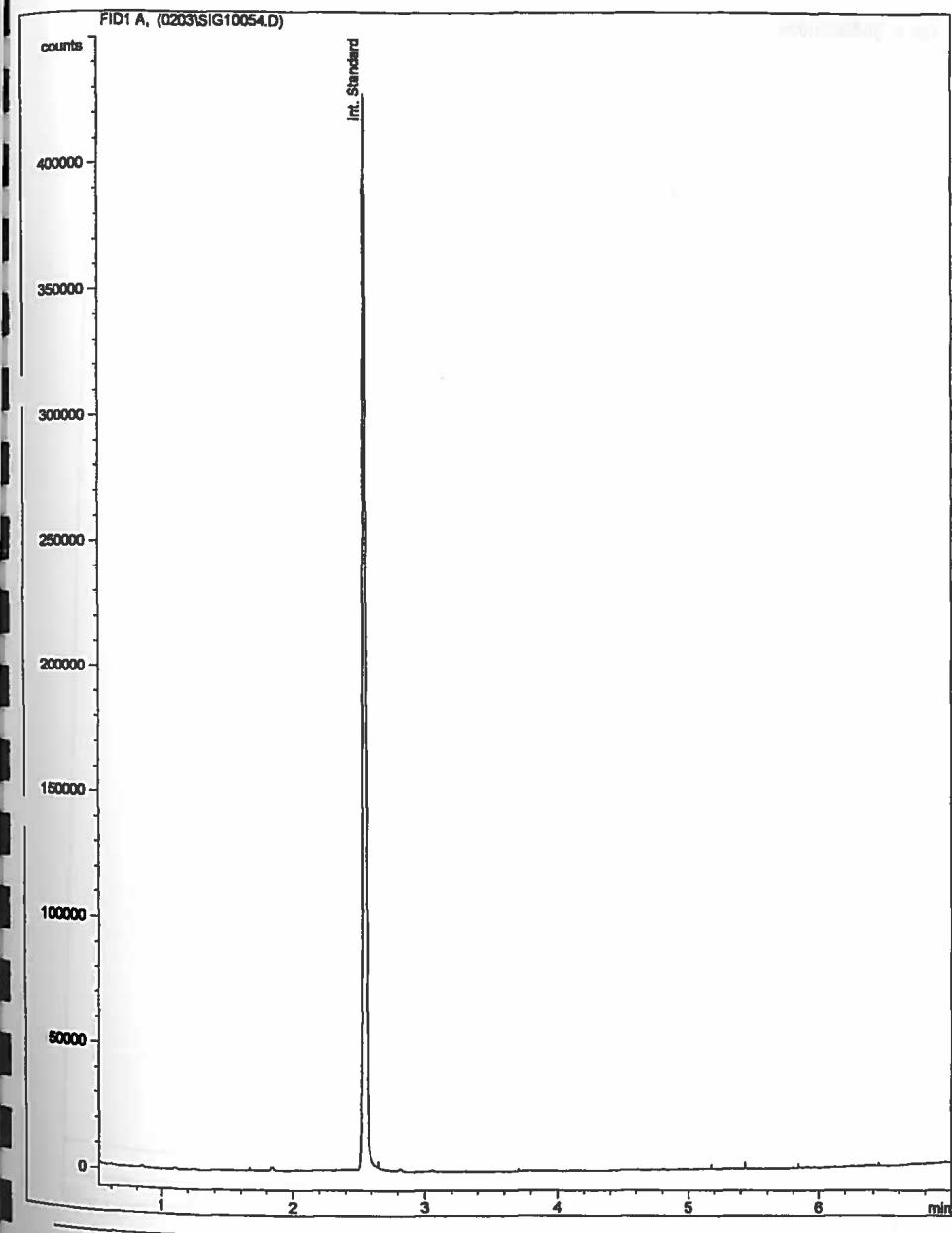
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-32



Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-38

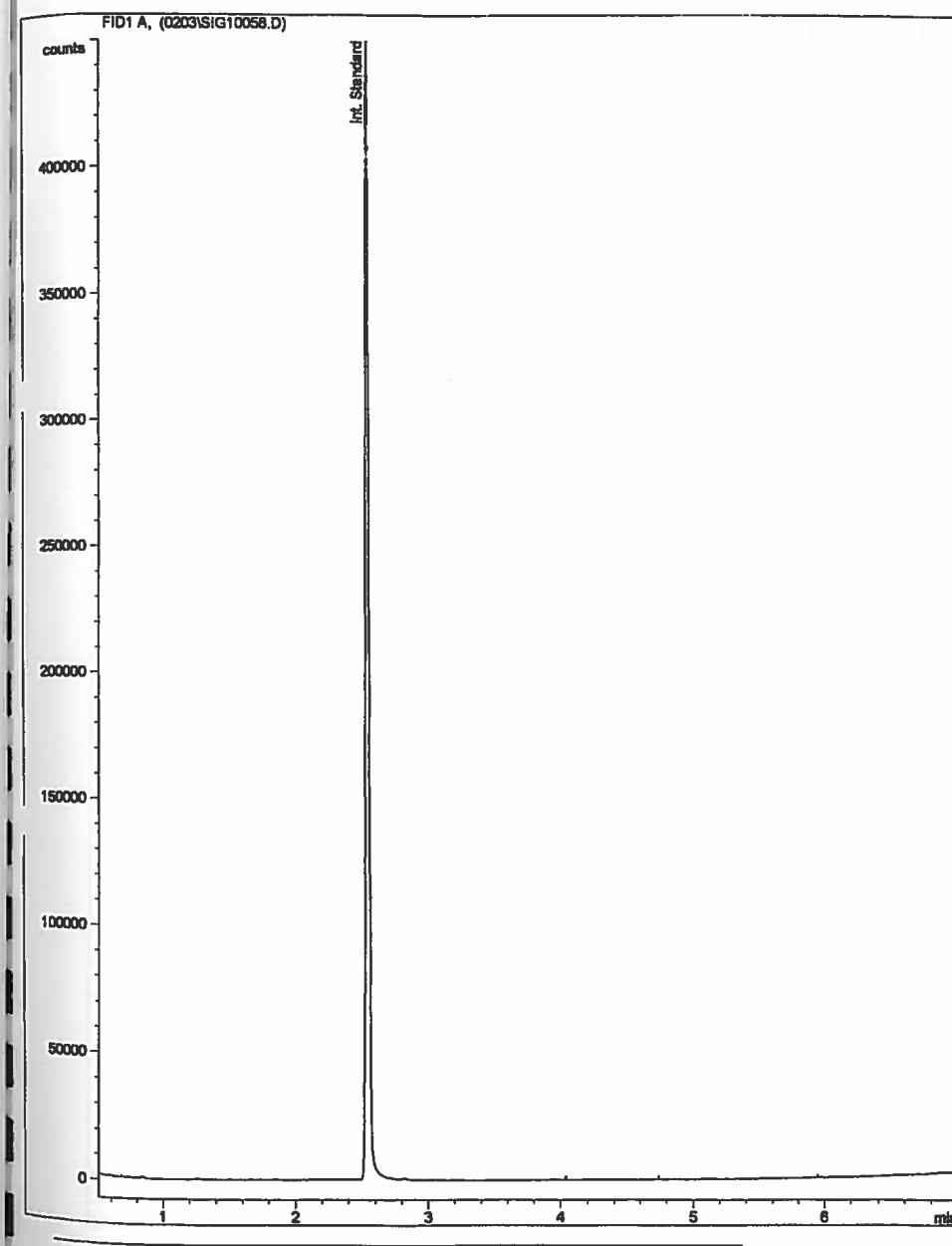
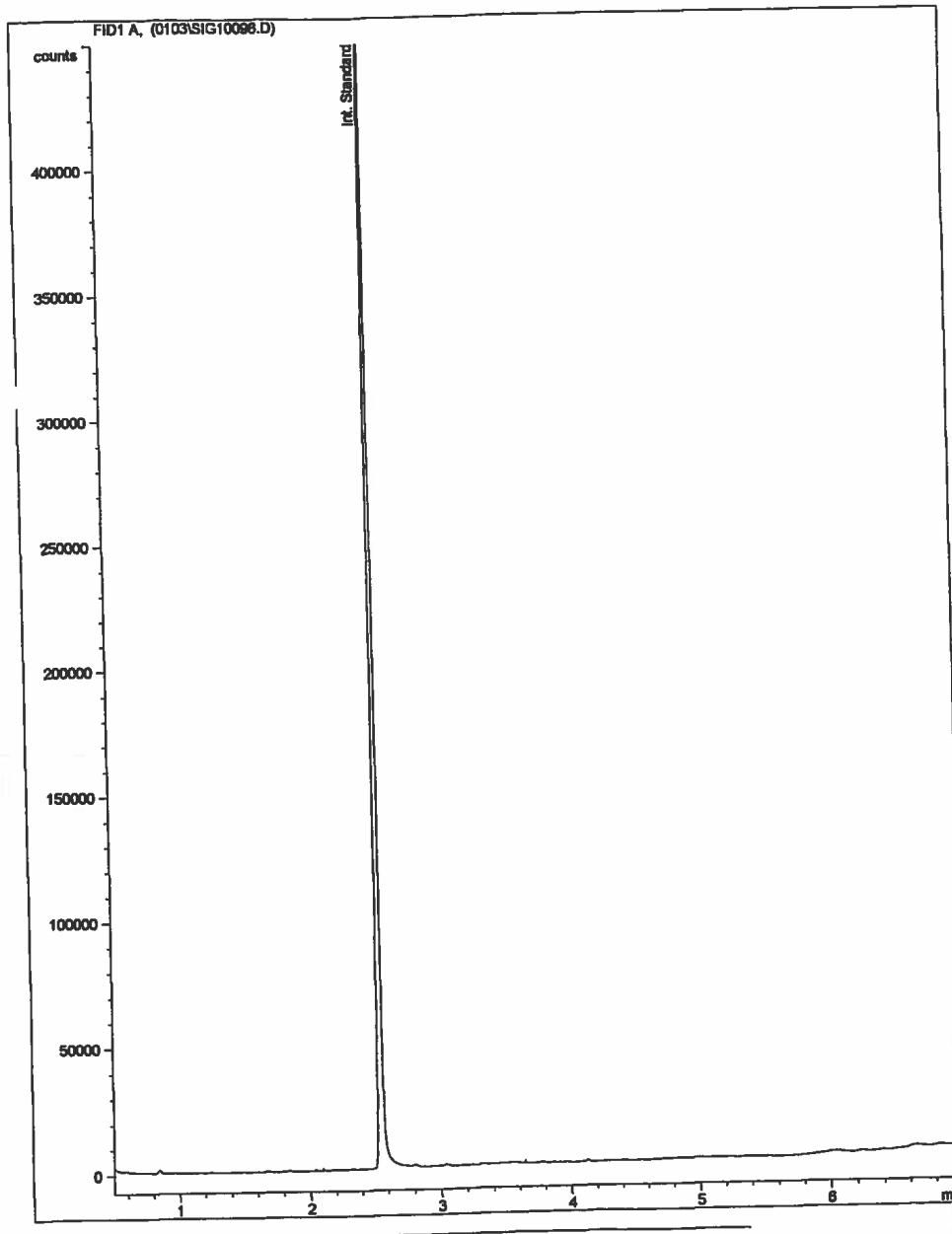


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By G.C.

2182-44

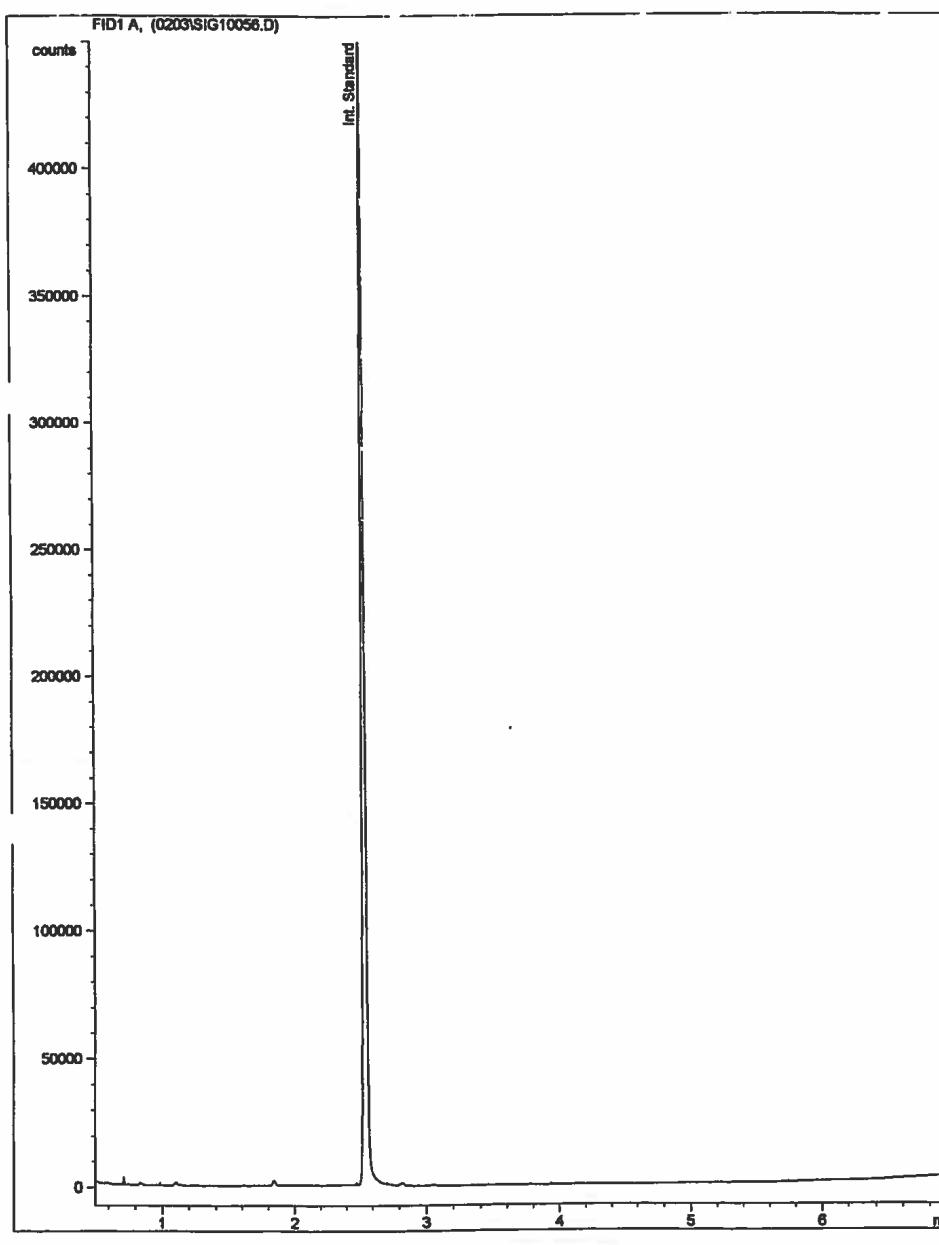
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-49



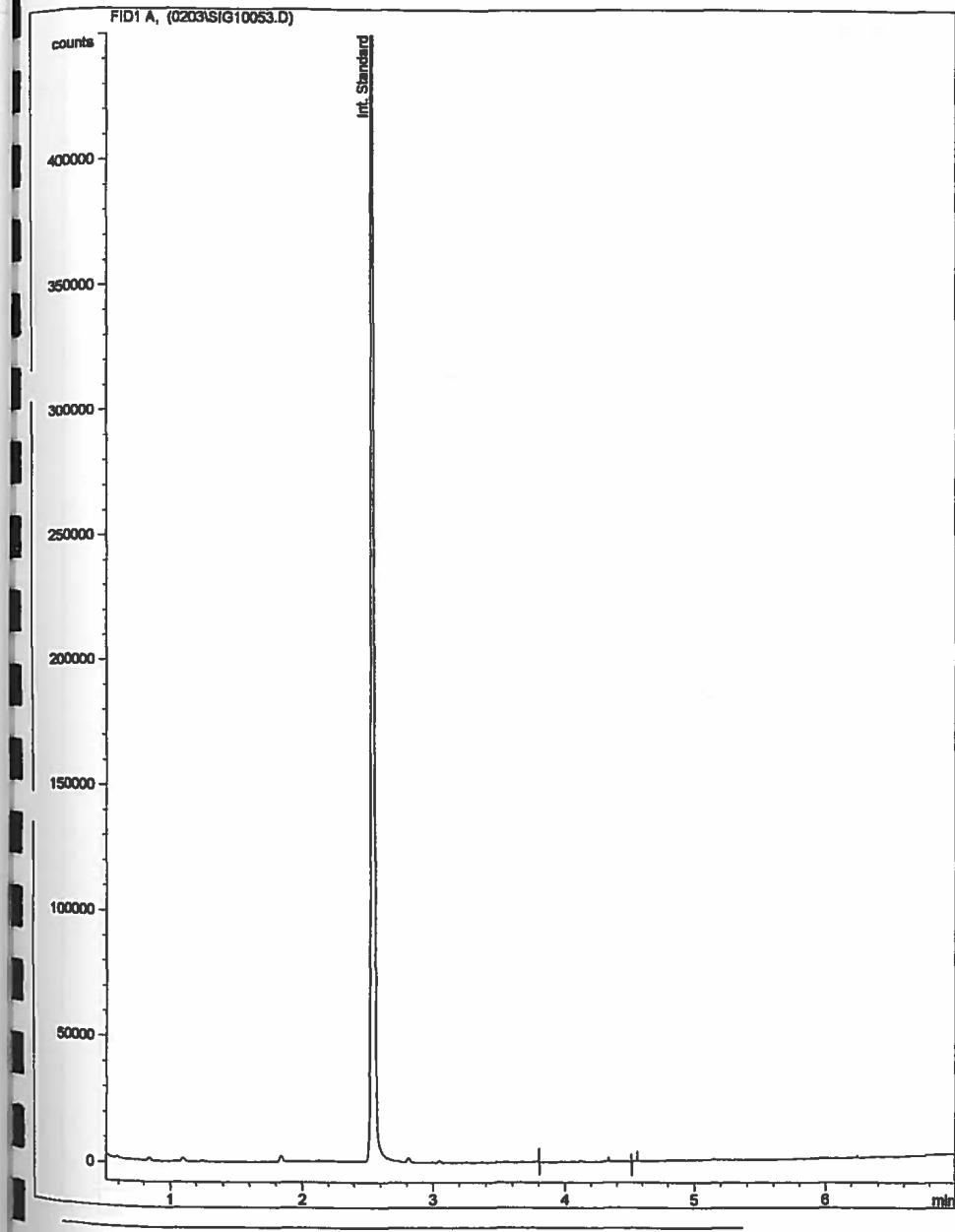
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

2182-51



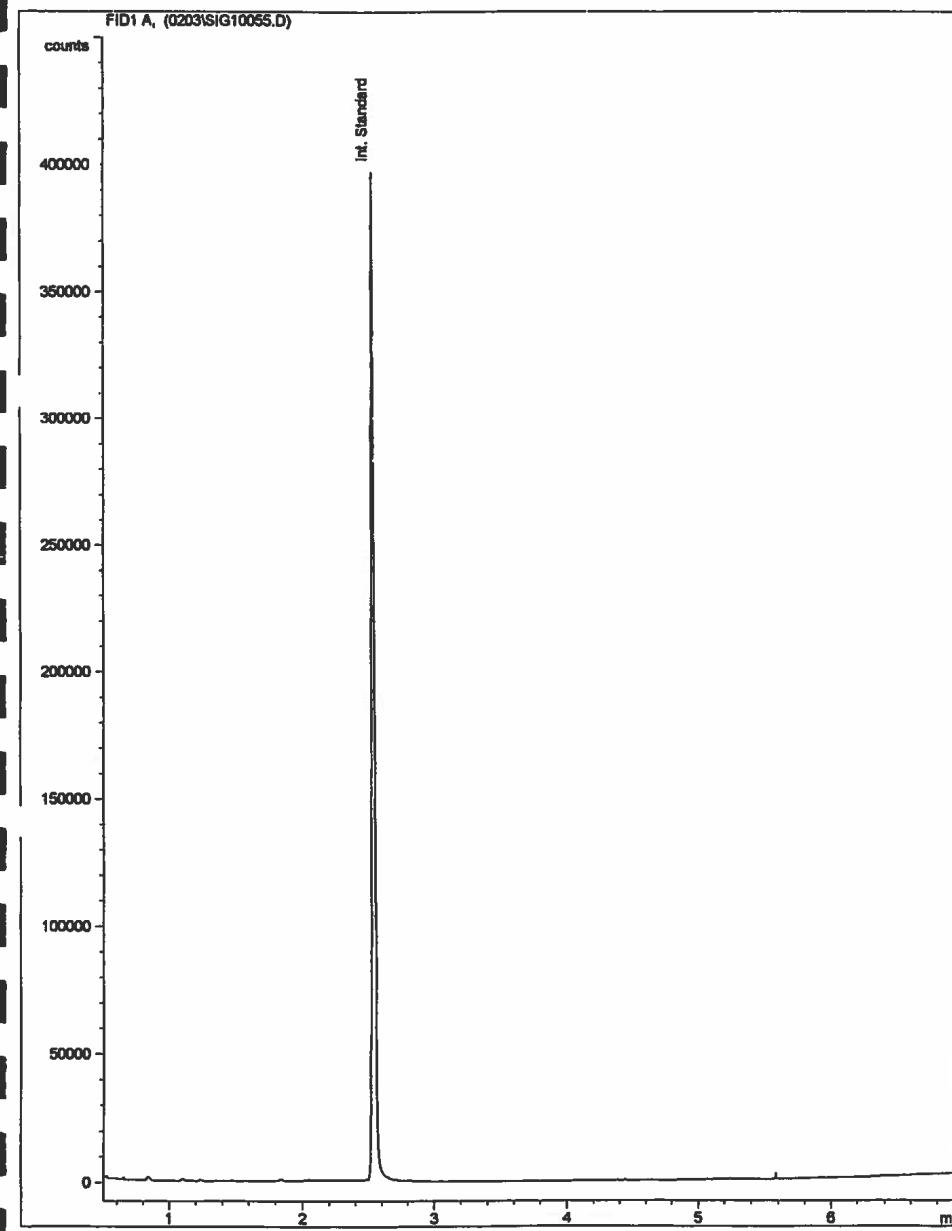
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GRO/MTBE Analysis
By G.C.

2182-54



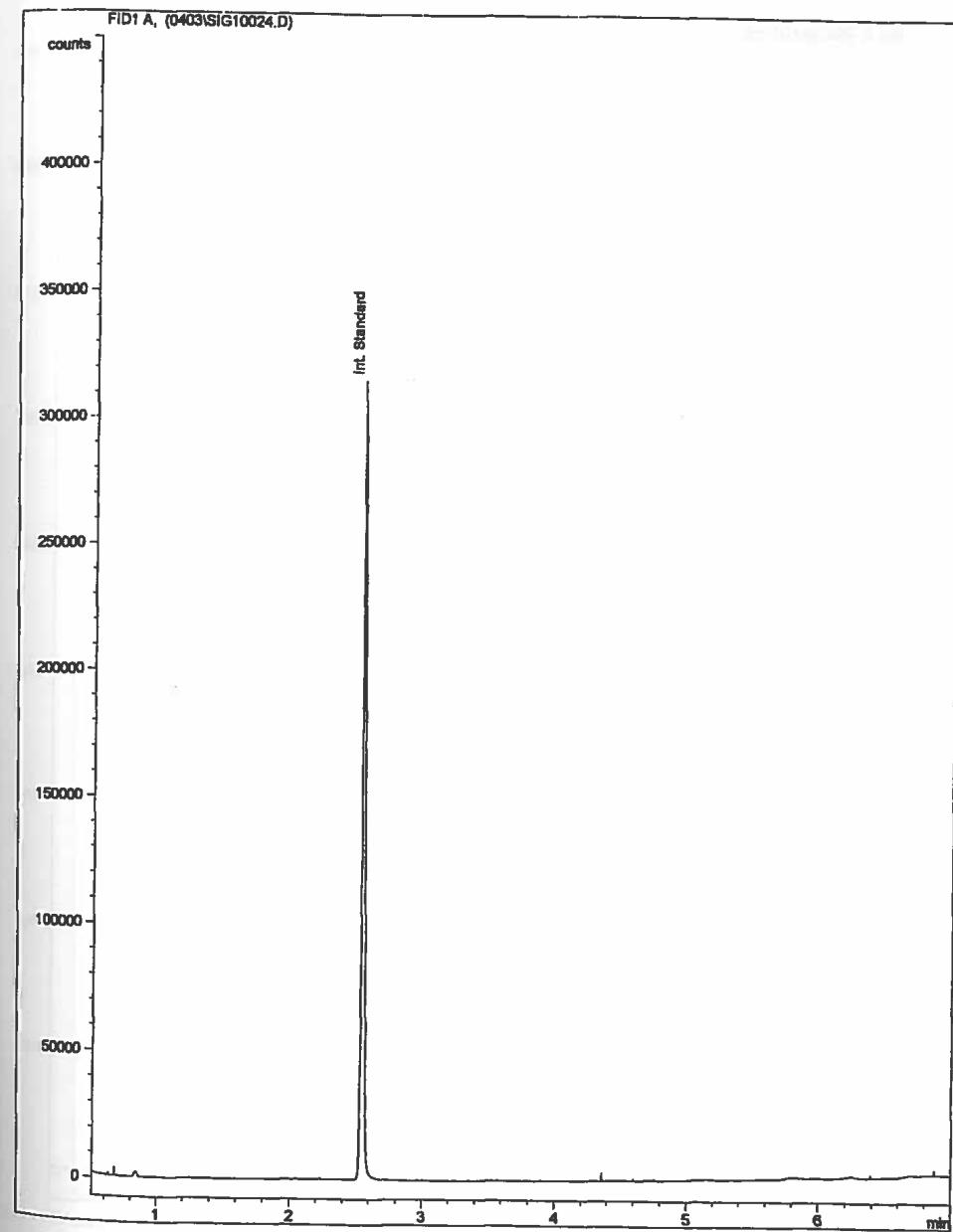
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GRO/MTBE Analysis
By G.C.

2182-57



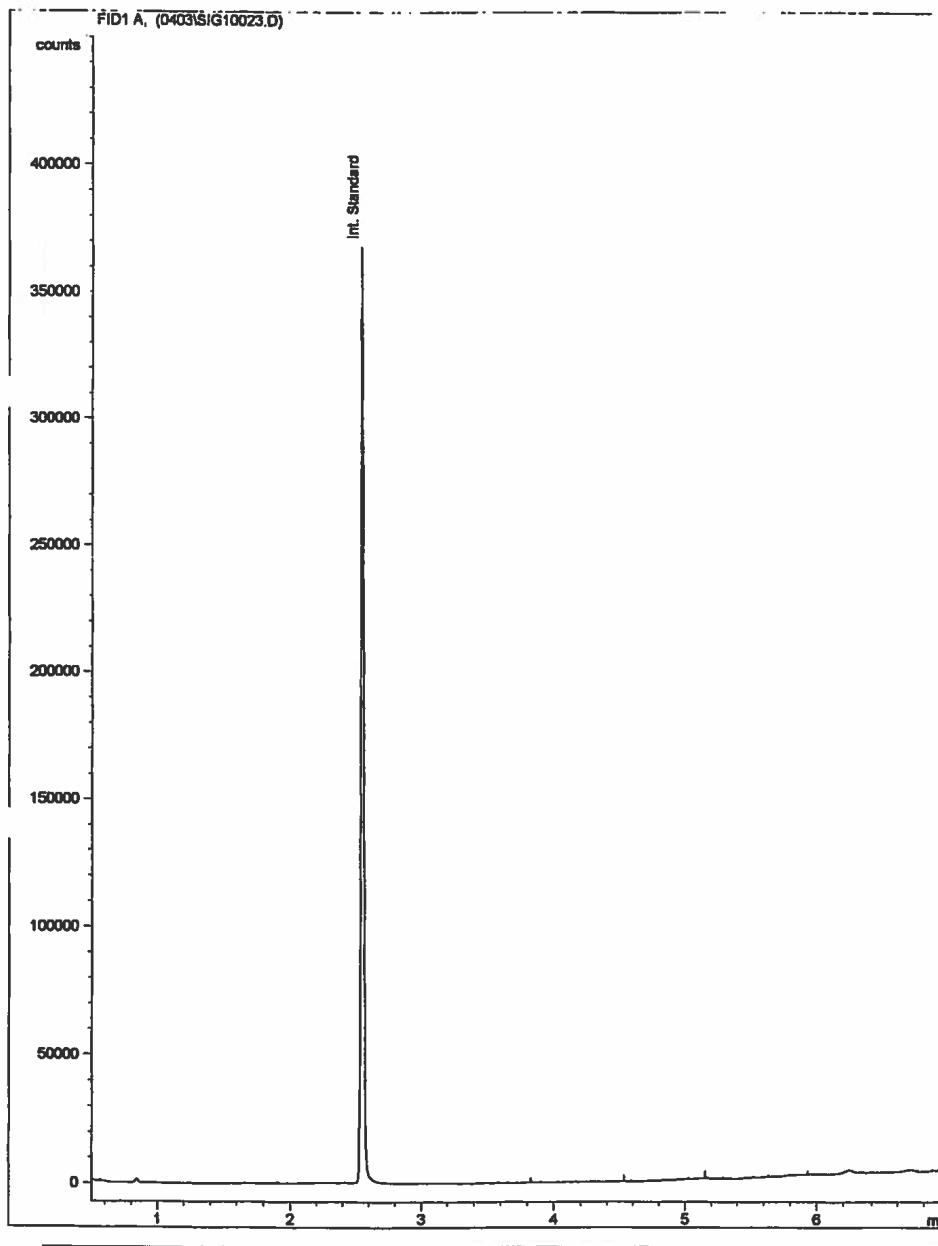
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GRO/MTBE Analysis
By G.C.

02182-17



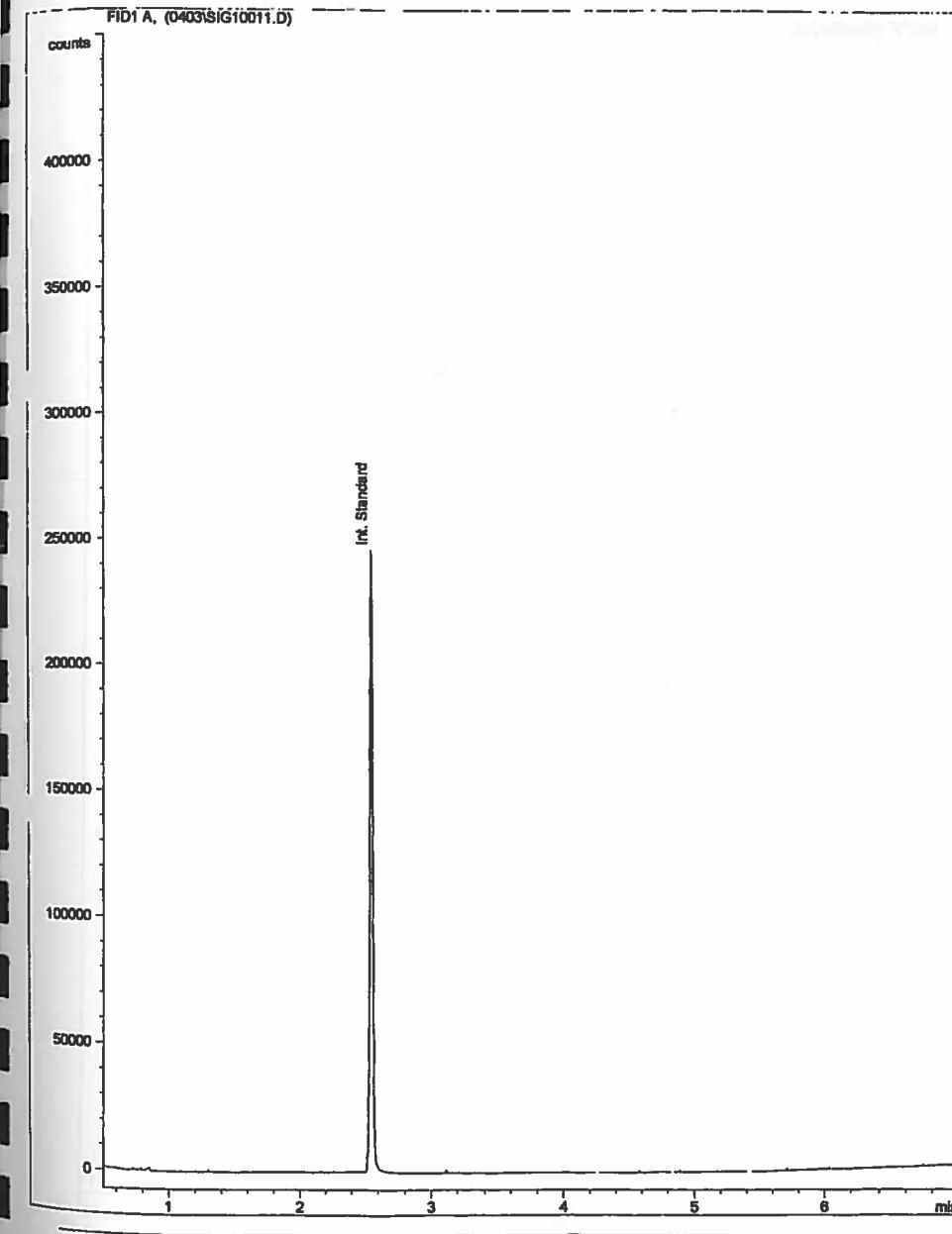
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GRO/MTBE Analysis
By G.C.

02182-34



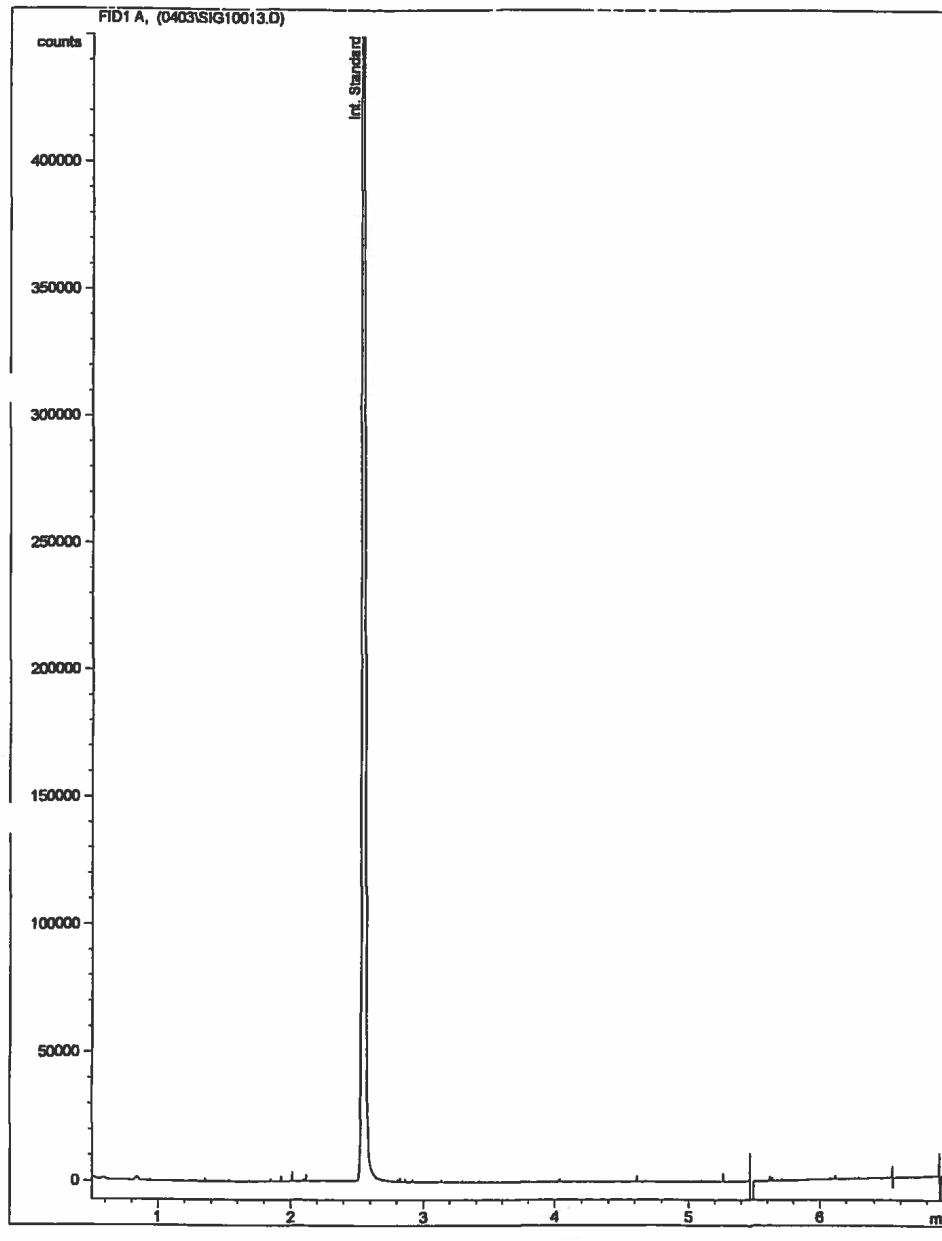
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GRO/MTBE Analysis
By G.C.

02182-36



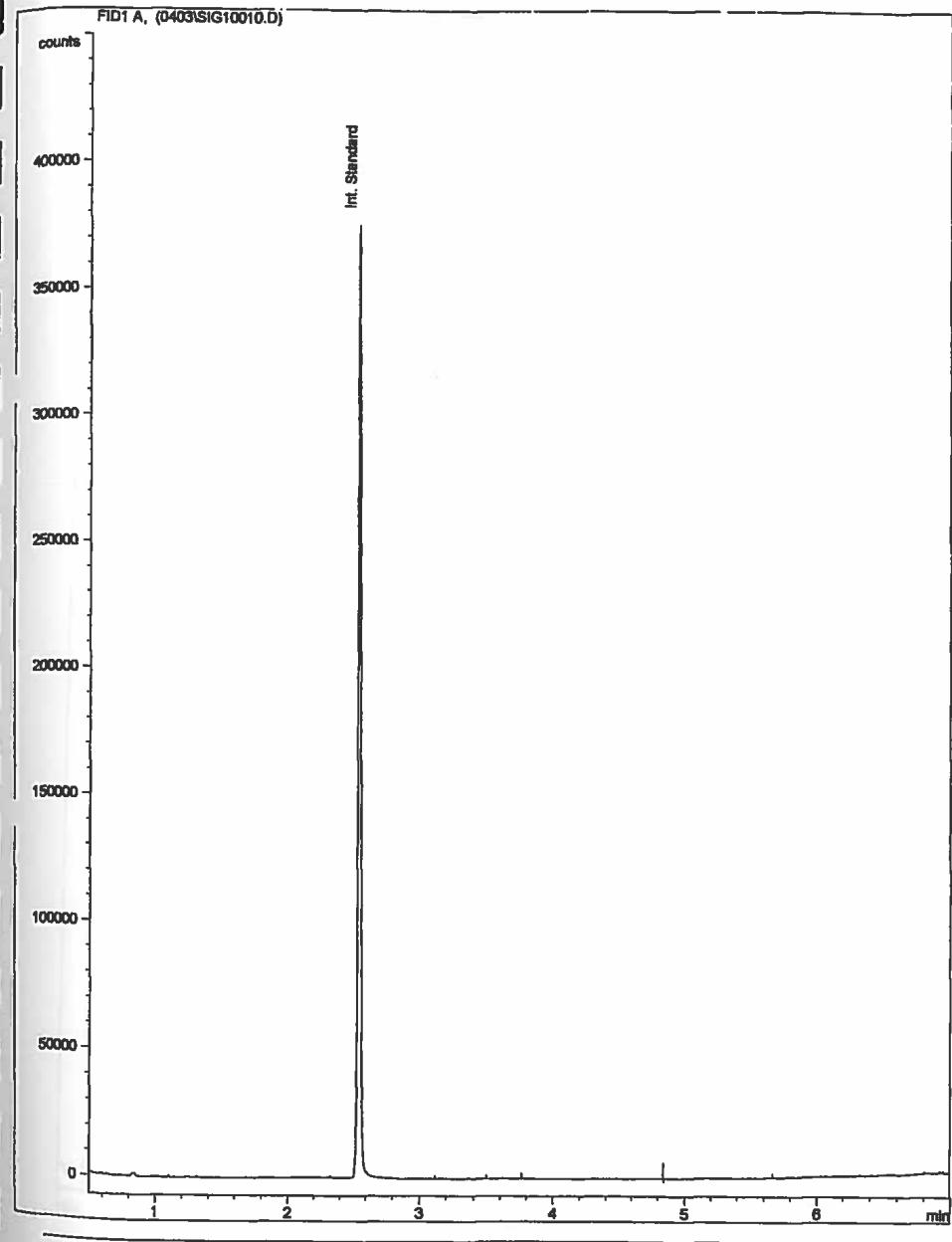
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

02182-39



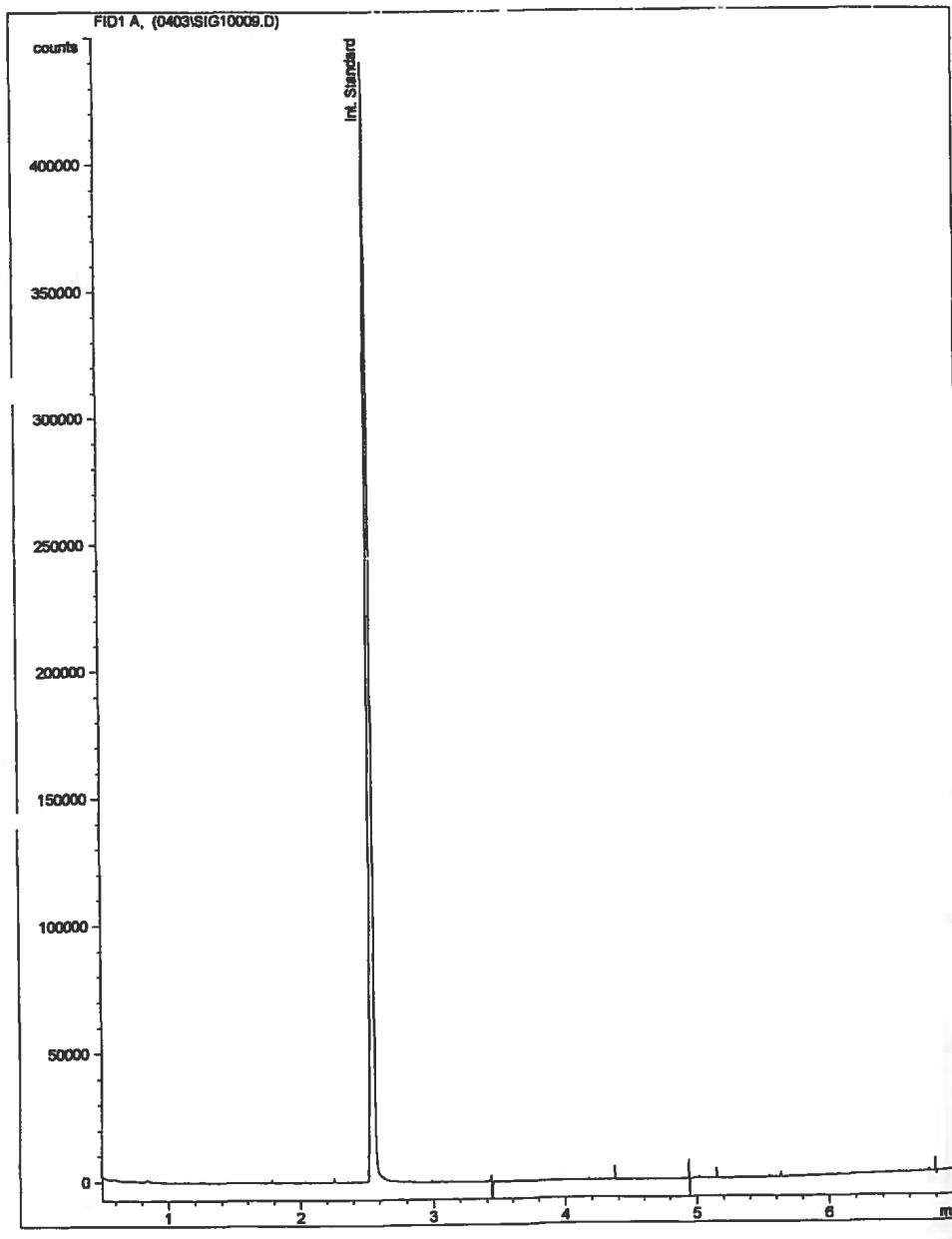
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GRO/MTBE Analysis
By G.C.

02182-40



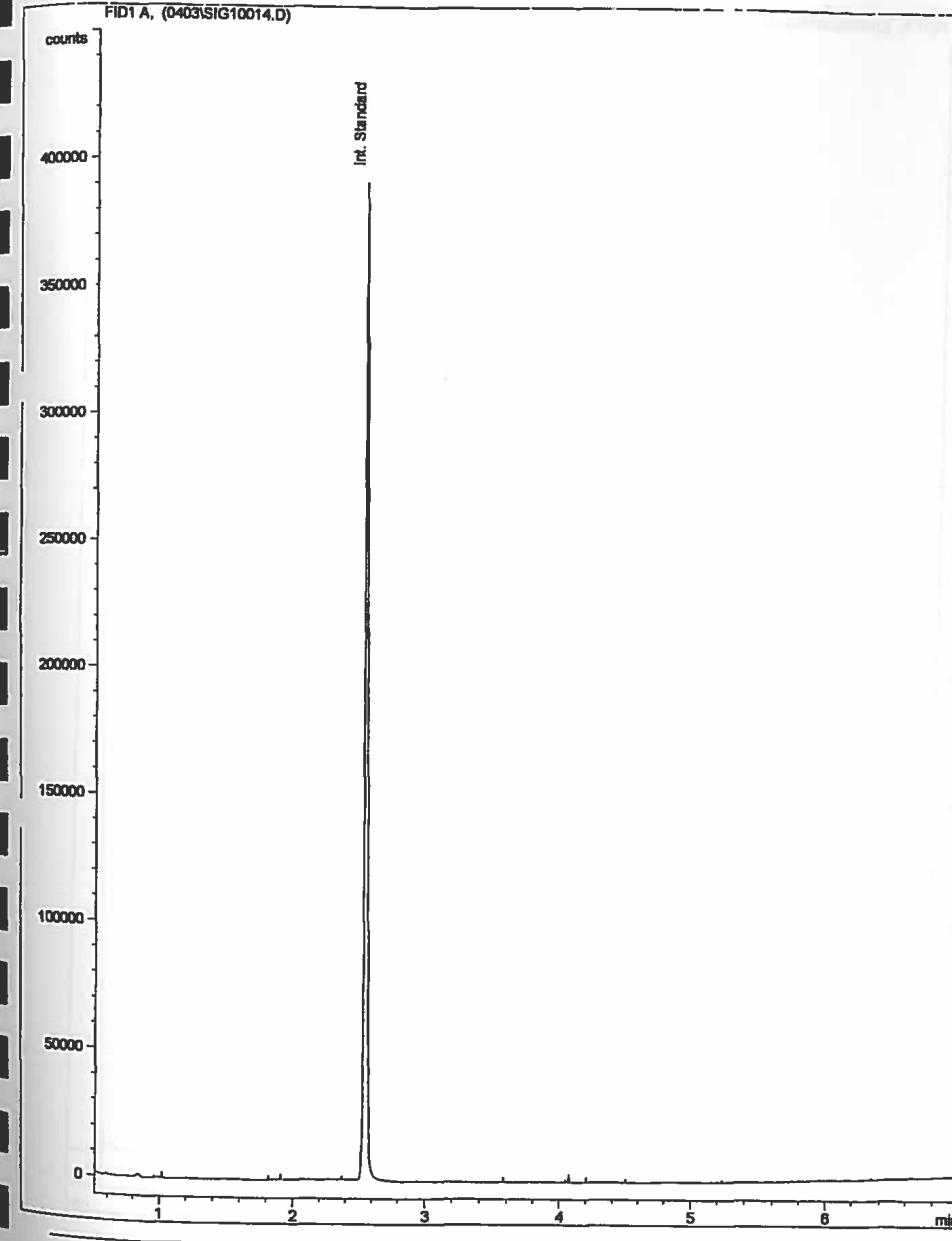
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GRO/MTBE Analysis
By G.C.

02182-42



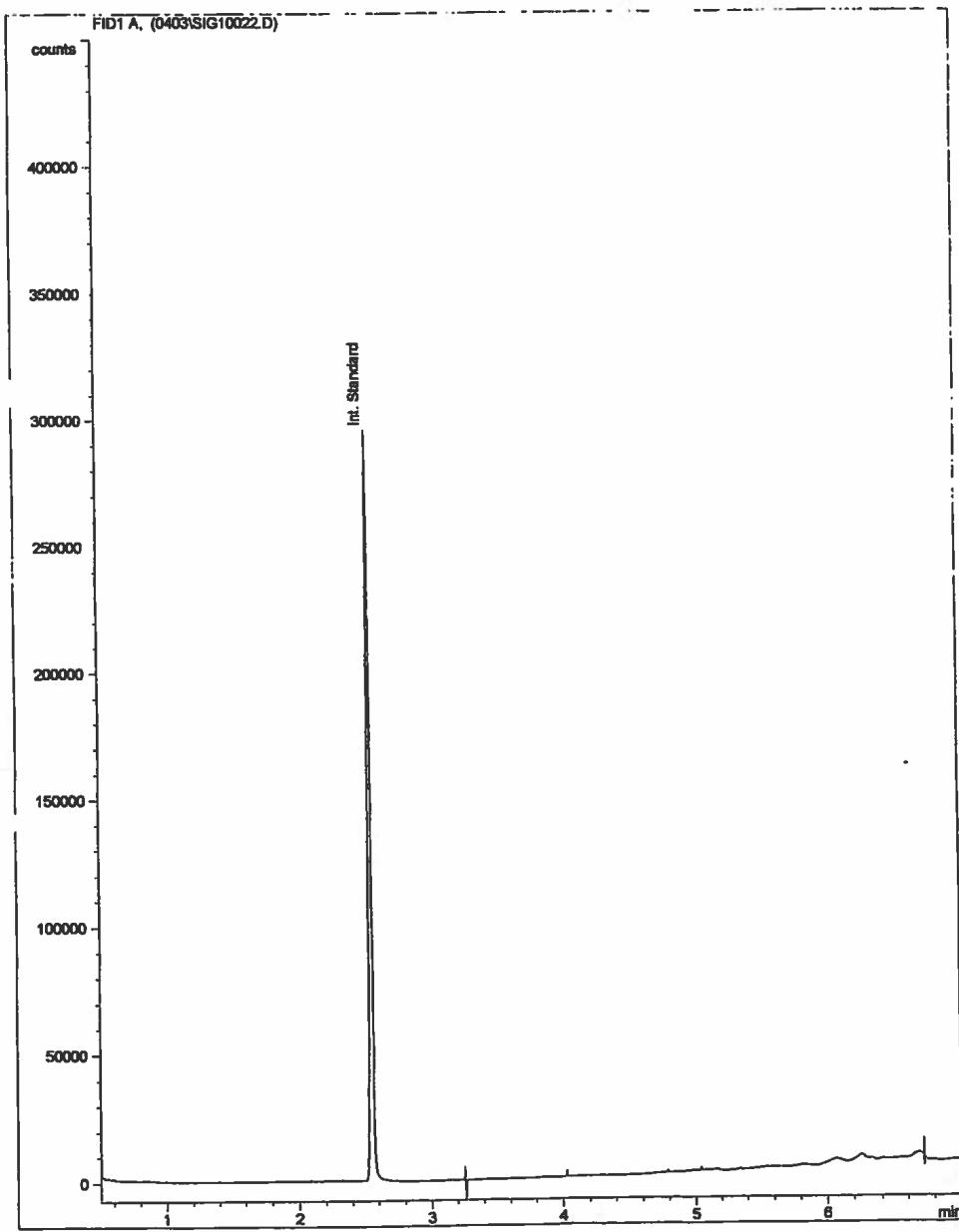
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

02182-43



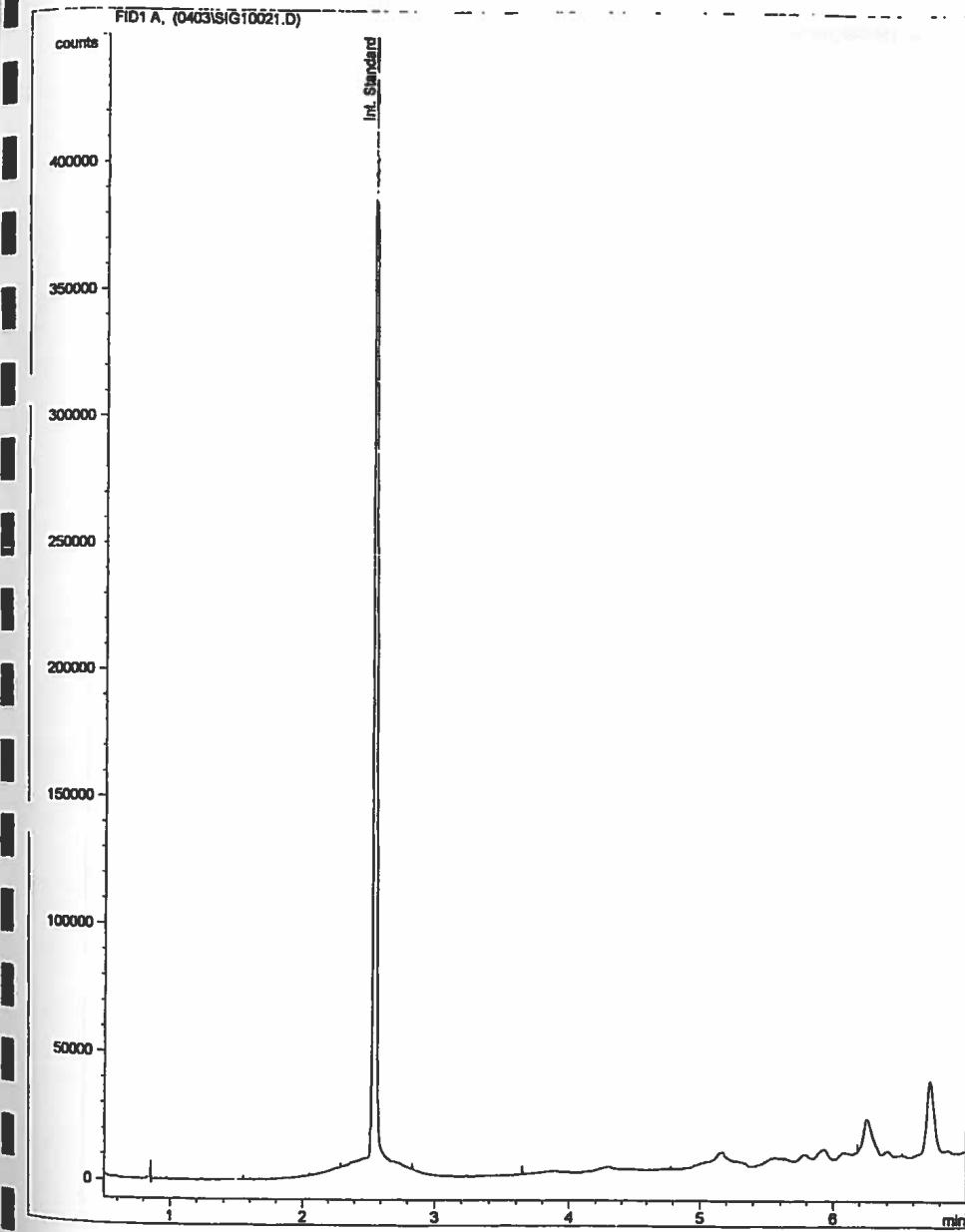
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

02182-45



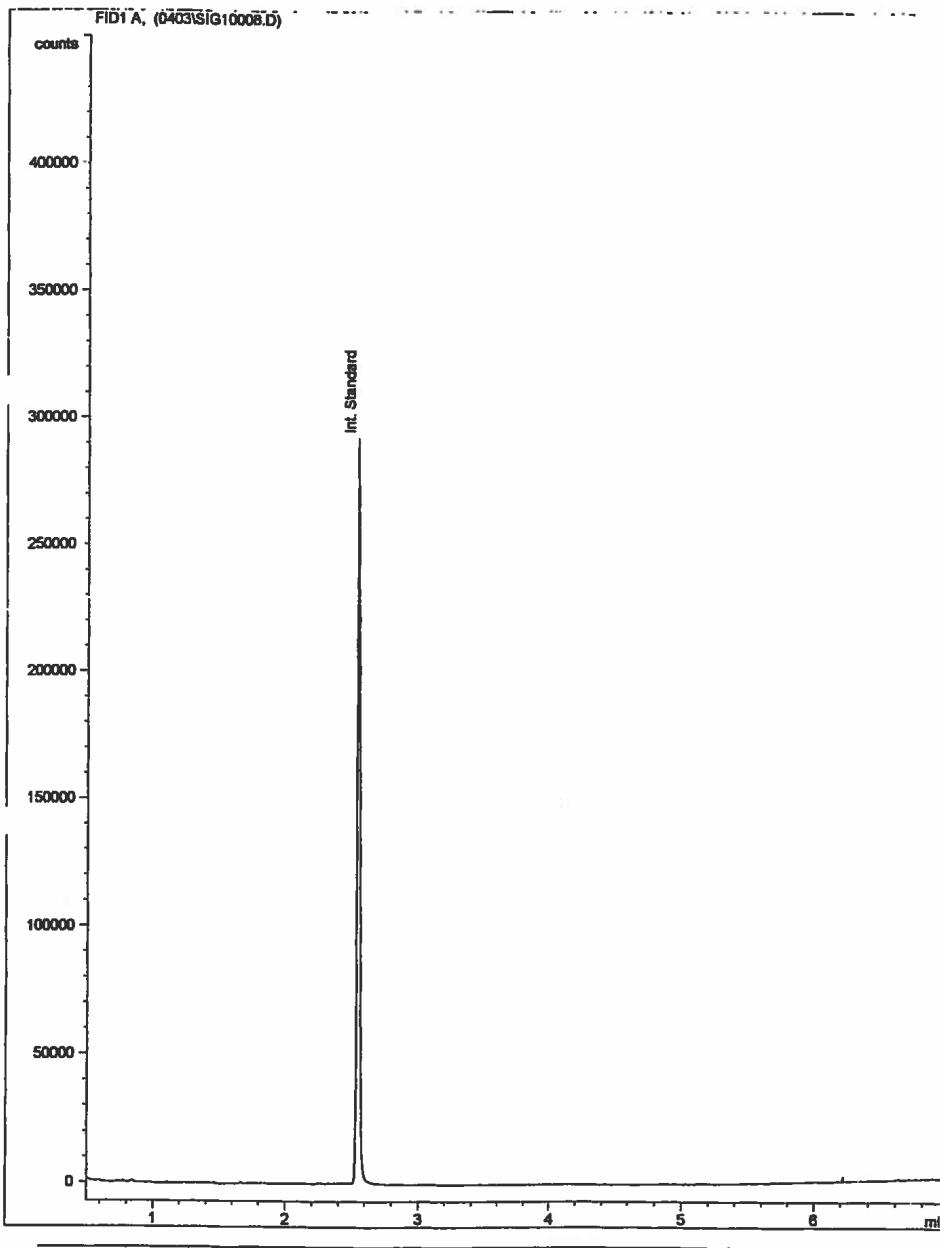
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

02182-47



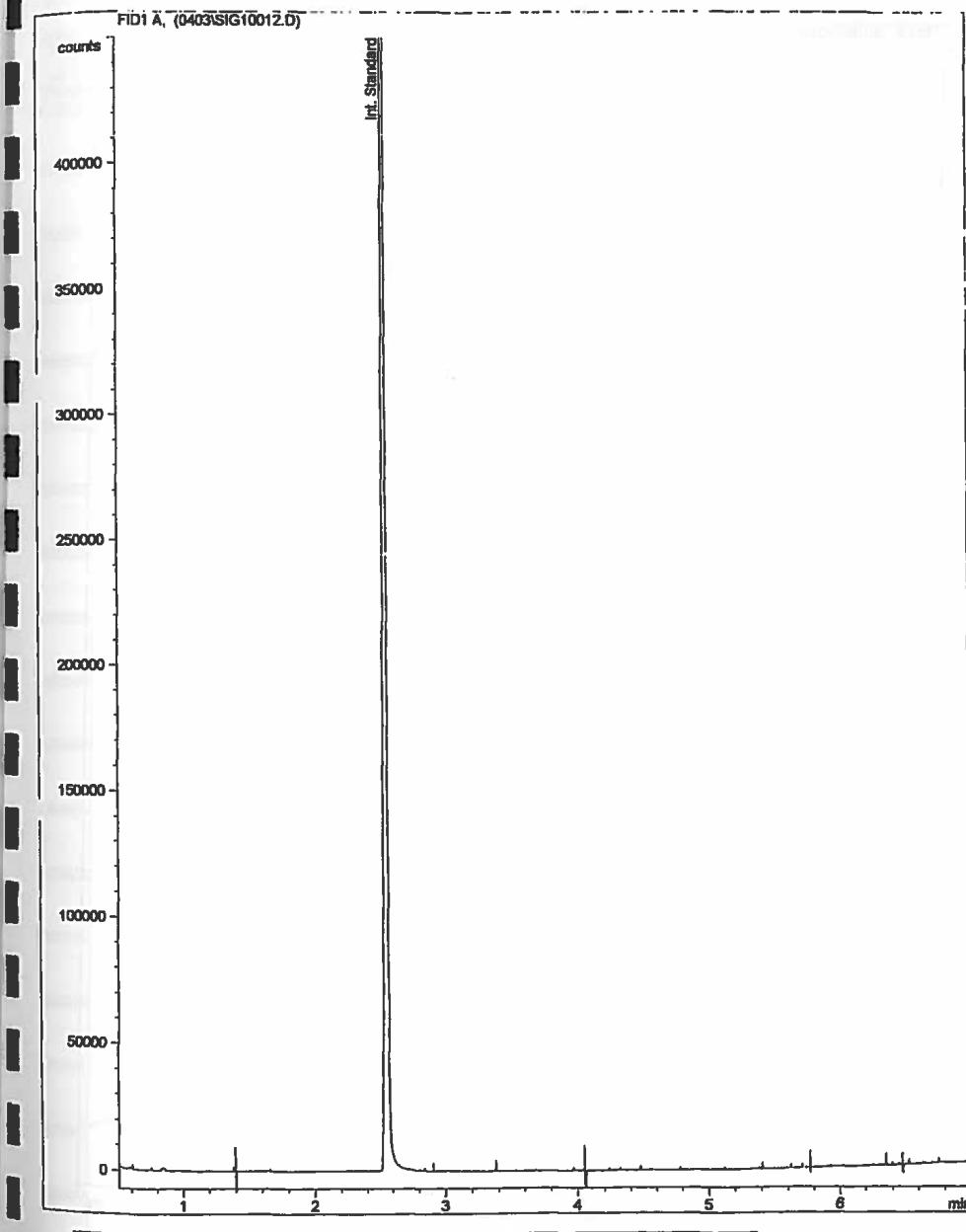
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

02182-50



Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.

02182-53



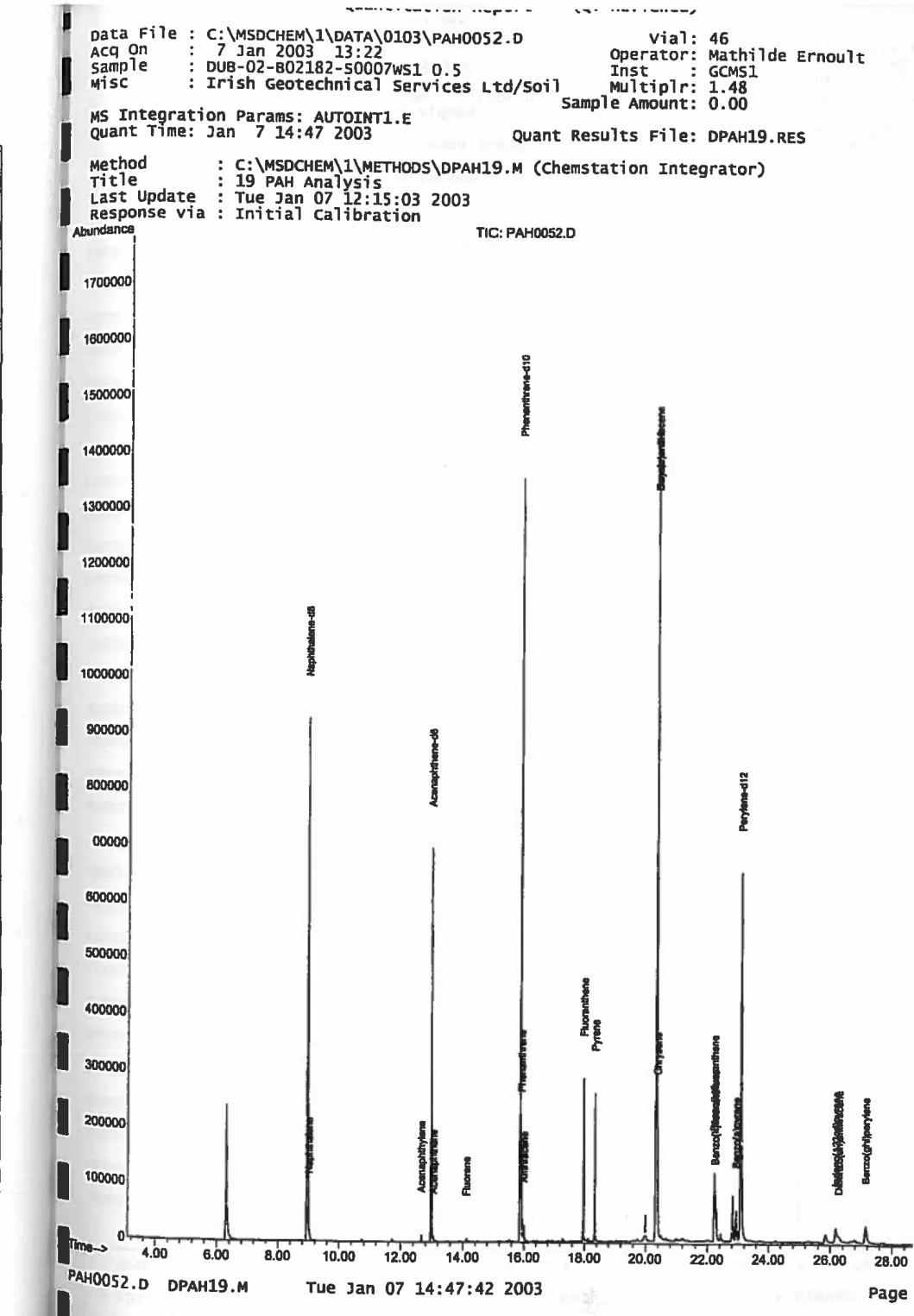
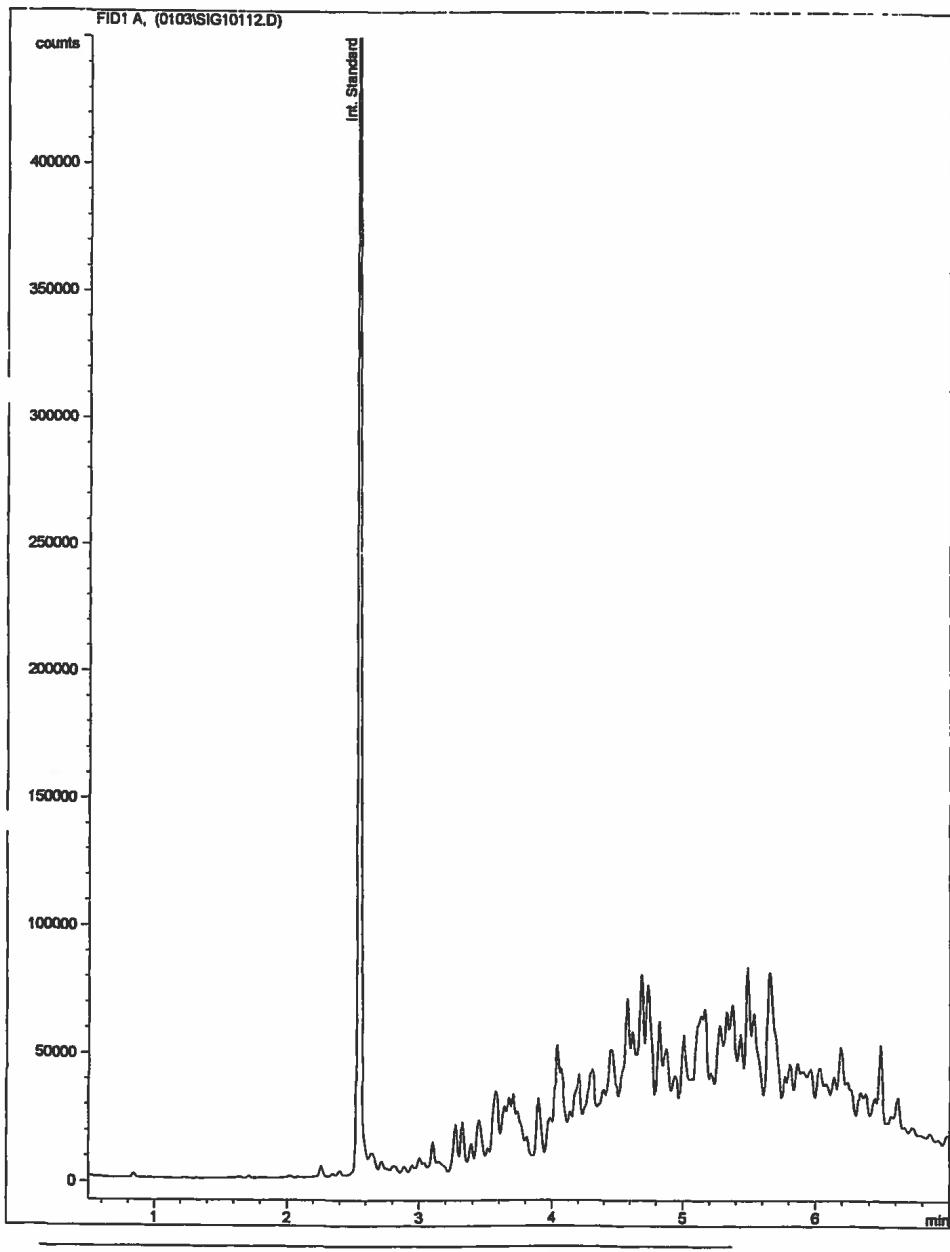
Alcontrol Laboratories Ireland
GRO/MTBE Analysis
By G.C.
2182-6

Data File : C:\MSDCHEM\1\DATA\0103\PAH0052.D Vial: 46
Acq On : 7 Jan 2003 13:22 Operator: Mathilde Ernoult
Sample : DUB-02-802182-50007ws1 0.5 Inst : GCMS1
Misc : Irish Geotechnical Services Ltd/soil Multipllr: 1.48
Sample Amount: 0.00

MS Integration Params: AUTOINT1.E Quant Results File: DPAH19.RES
Quant Time: Jan 7 14:47:2003

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

TIC: PAH0052.D



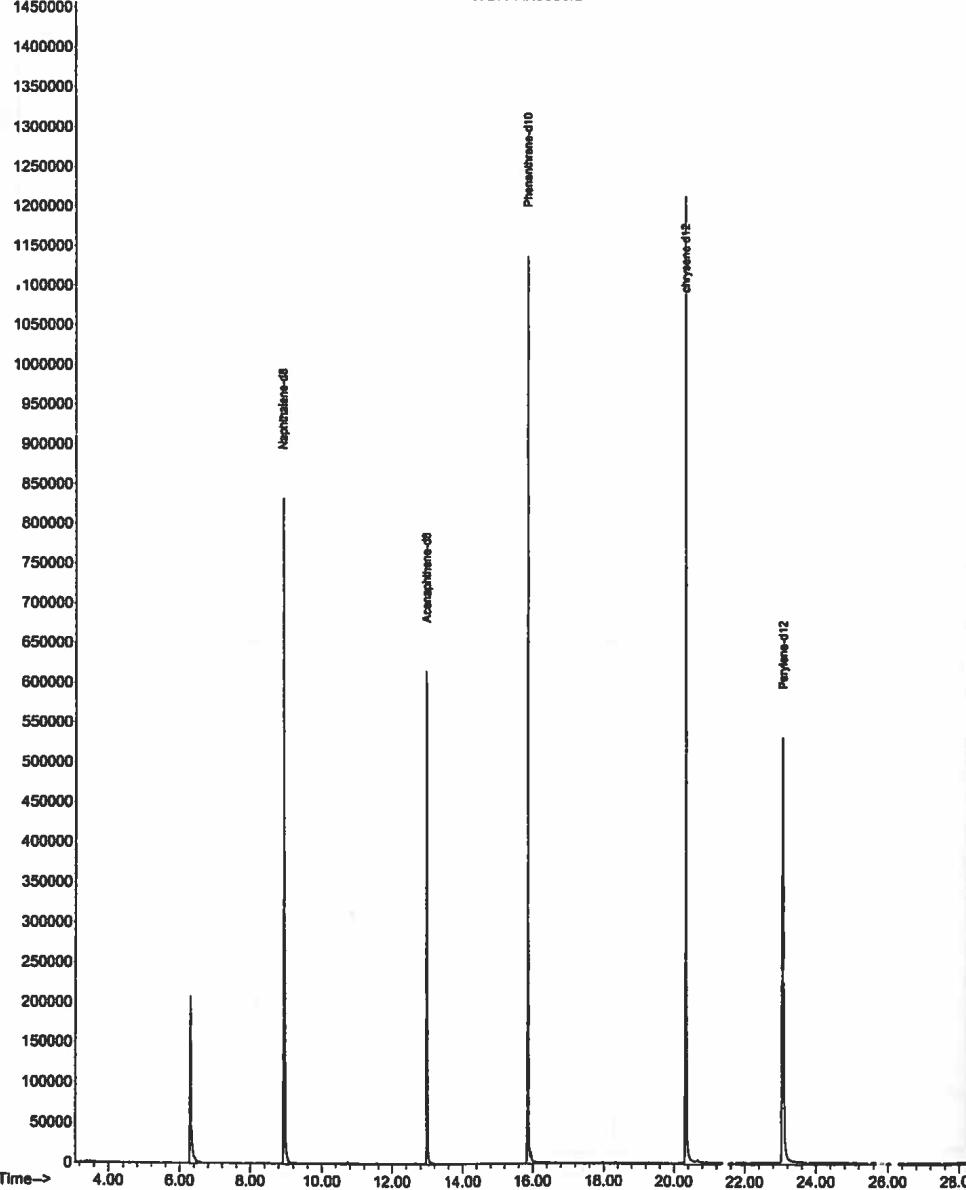
Data File : C:\MSDCHEM\1\DATA\0103\PAH0053.D Vial: 47
 Acq On : 7 Jan 2003 14:02 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0009 ws1 2.5 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.66
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
Quant Time: Jan 7 14:48 2003

Quant Results File: DPAH19.RES

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 Response via : Initial Calibration

Abundance



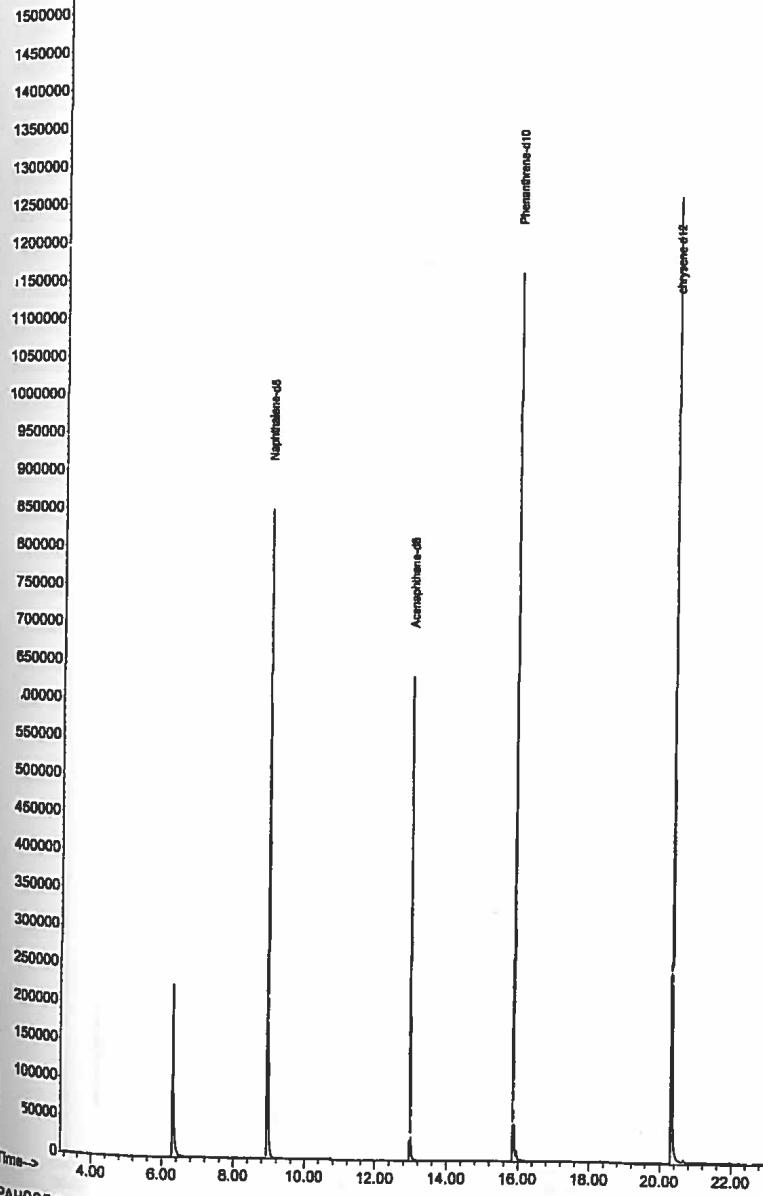
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 Acq On : 7 Jan 2003 14:41 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0010 ws1 3.5 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.41
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
Quant Time: Jan 8 14:38 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0103\PAH0055.D
Acq On : 7 Jan 2003 15:20
Sample : DUB-02-B02182-S0011 ws2.0.5-1.0
Misc : Irish Geotechnical Services Ltd/Soil

vial: 49
Operator: Mathilde Ernoult
Inst : GCMS1
Multiplr: 1.58
Sample Amount: 0.00

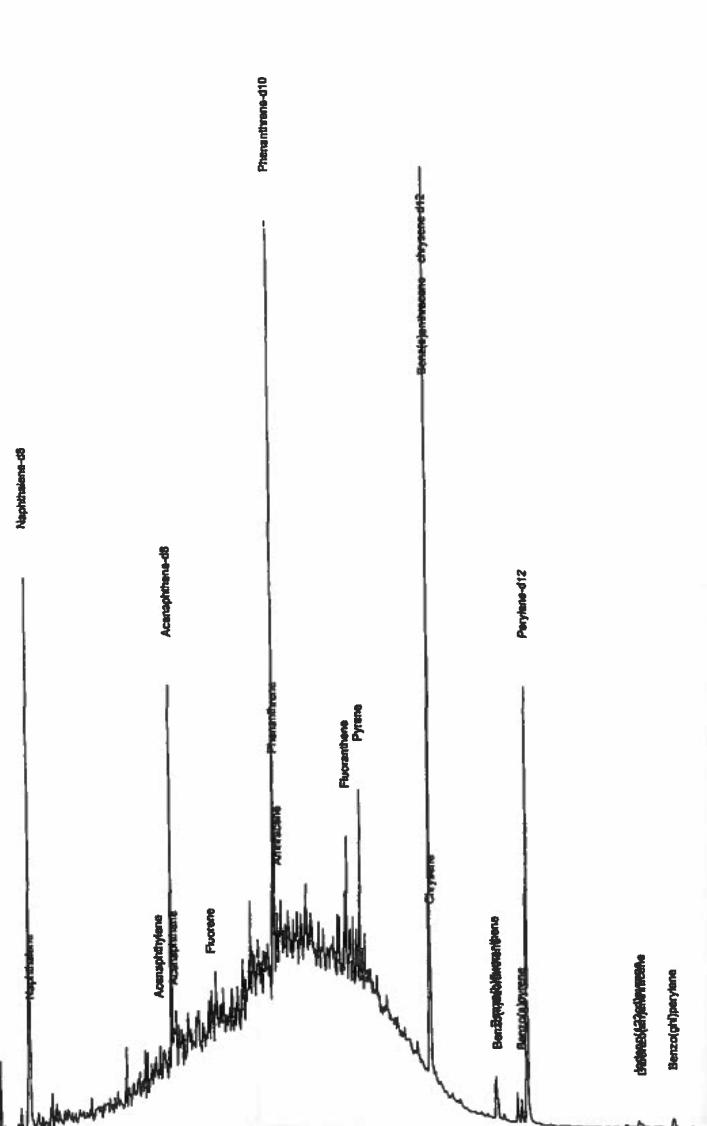
MS Integration Params: AUTOINT1.E
Quant Time: Jan 8 14:39 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

Abundance

TIC: PAH0055.D



PAH0055.D DPAH19.M Wed Jan 08 14:39:43 2003

Page 2

Data File : C:\MSDCHEM\1\DATA\0103\PAH0056.D
Acq On : 7 Jan 2003 16:00
Sample : DUB-02-B02182-S0013 ws2.1.5-2.0
Misc : Irish Geotechnical Services Ltd/Soil

vial: 50
Operator: Mathilde Ernoult
Inst : GCMS1
Multiplr: 1.47
Sample Amount: 0.00

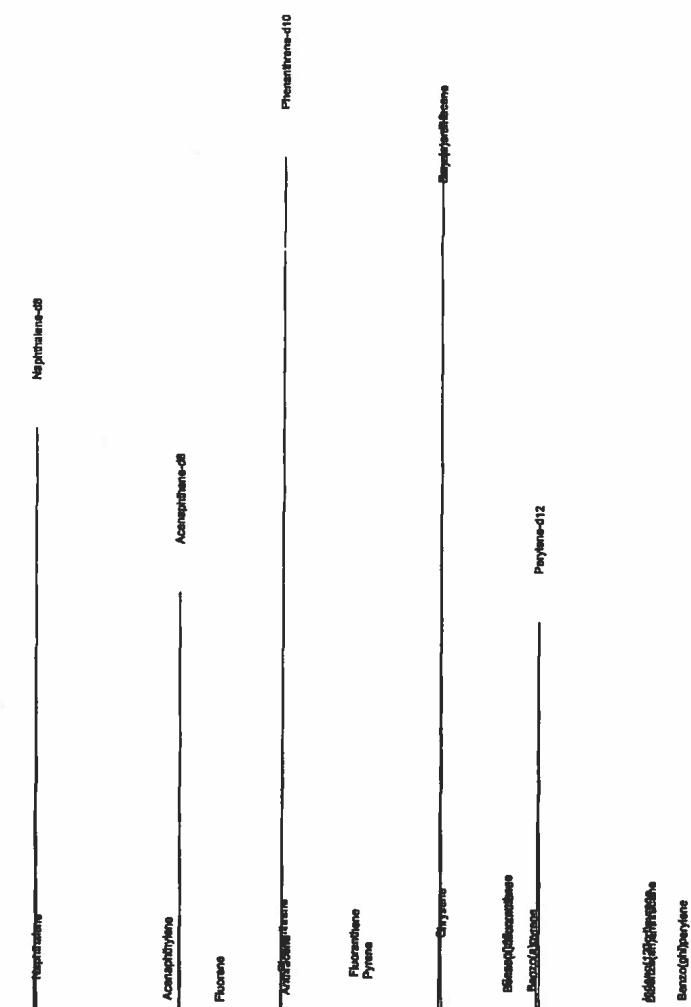
MS Integration Params: AUTOINT1.E
Quant Time: Jan 8 14:40 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

Abundance

TIC: PAH0056.D



PAH0056.D DPAH19.M Wed Jan 08 14:40:31 2003

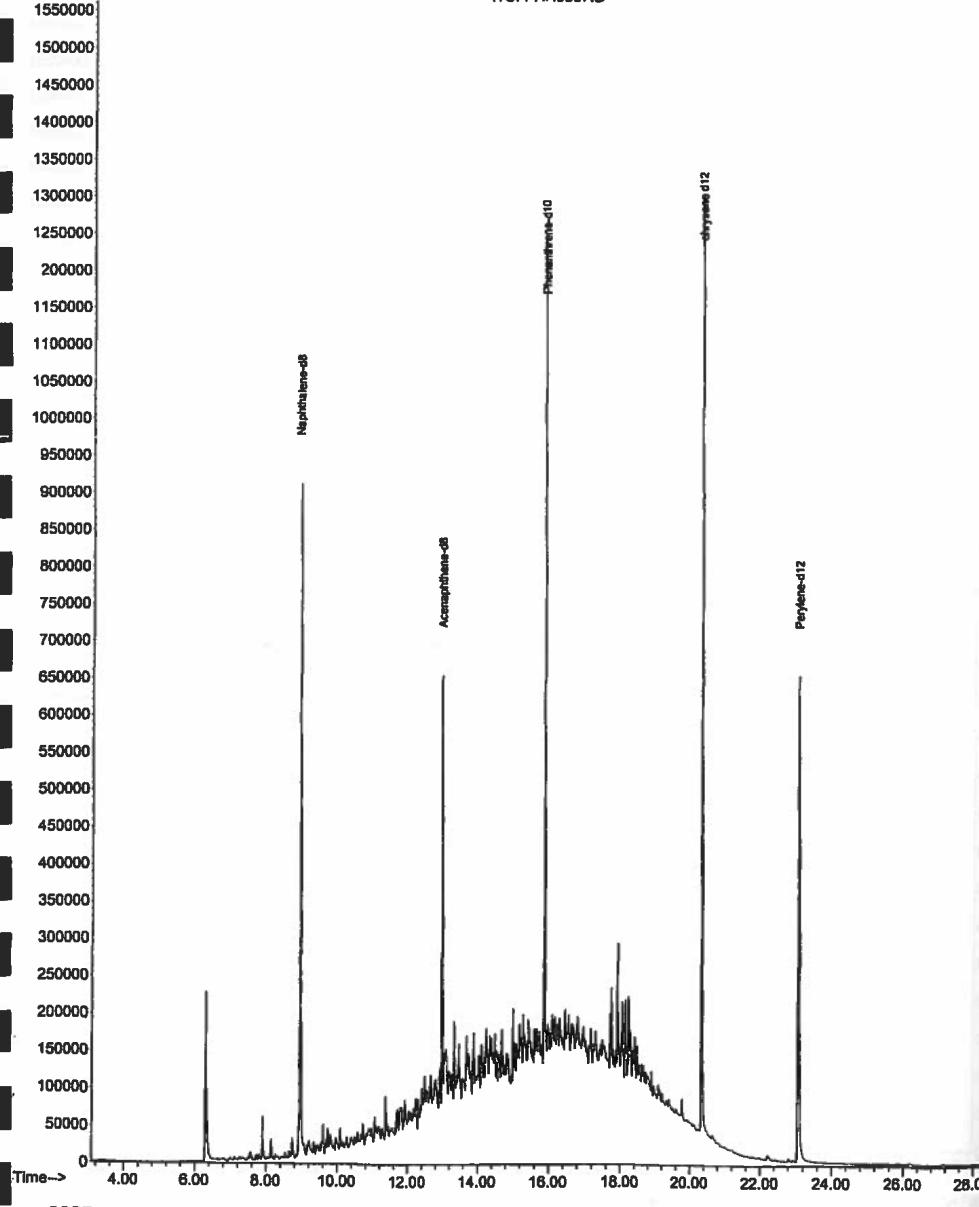
Page 2

Data File : C:\MSDCHEM\1\DATA\0103\PAH0057.D Vial: 51
 Acq On : 7 Jan 2003 16:39 Operator: Mathilde Ernoult
 Sample : DUB-02-802182-S0015 WS2 4.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.68
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 8 14:41:2003 Quant Results File: DPAH19.RES

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 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance

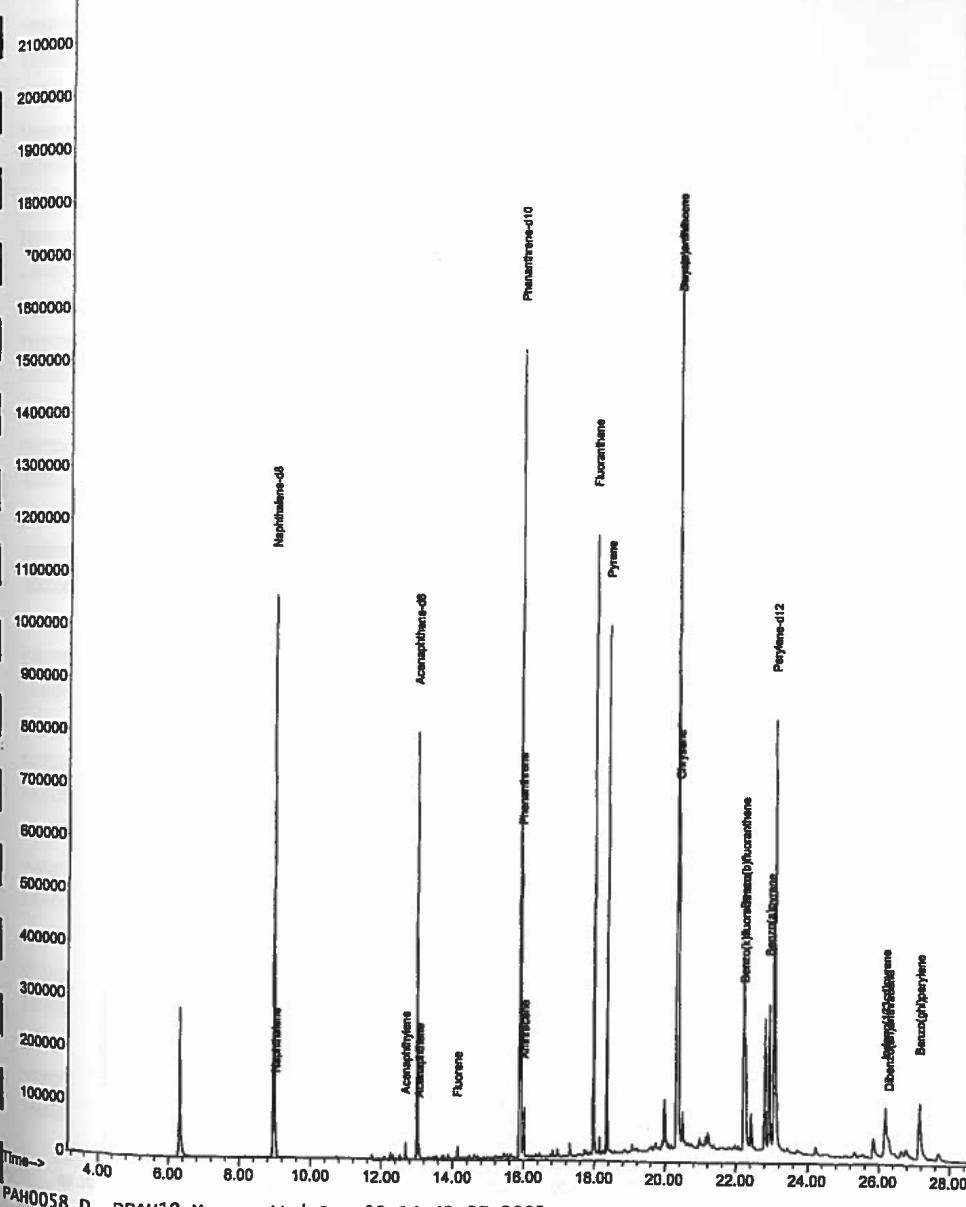


Data File : C:\MSDCHEM\1\DATA\0103\PAH0058.D Vial: 52
 Acq On : 7 Jan 2003 17:18 Operator: Mathilde Ernoult
 Sample : DUB-02-802182-S0016 WS3 0.5 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.63
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 8 14:42:2003 Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0103\PAH0059.D
Acq On : 7 Jan 2003 17:57
Sample : DUB-02-B02182-S0019 ws4 1.5-2.0
Misc : Irish Geotechnical Services Ltd/Soil

Vial: 53
Operator: Mathilde Ernoult
Inst : GCMS1
Multiplr: 1.66
Sample Amount: 0.00

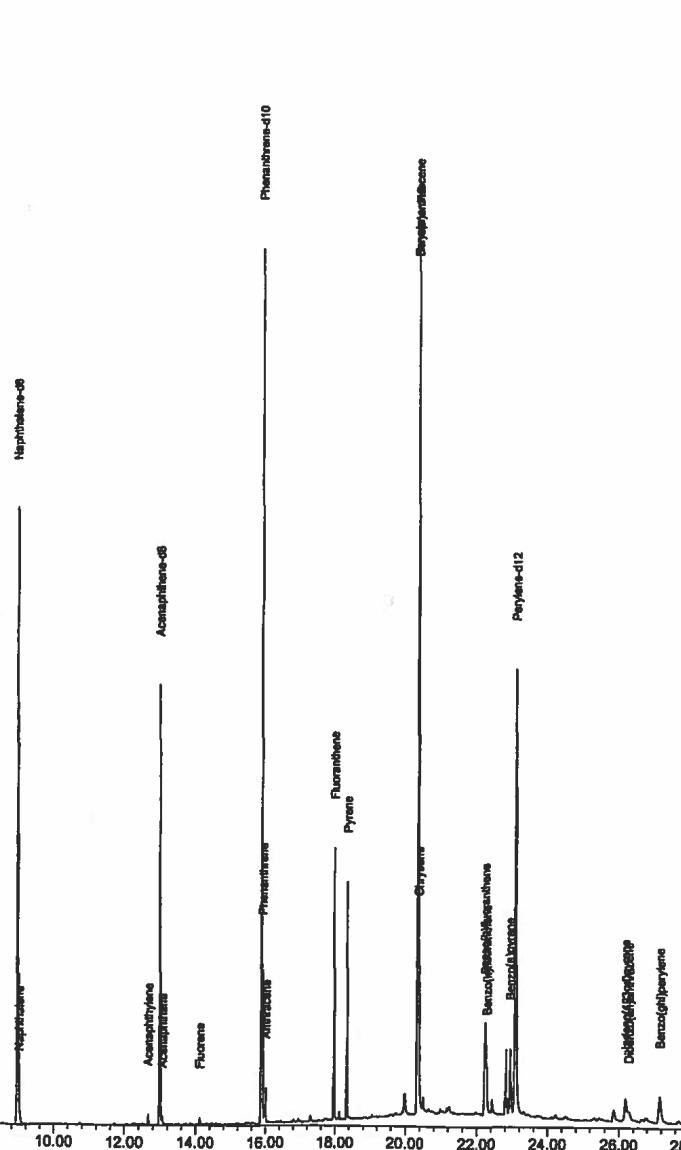
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Quant Time: Jan 8 14:43:2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

Abundance

TIC: PAH0059.D



PAH0059.D

DPAH19.M

Wed Jan 08 14:43:18 2003

Data File : C:\MSDCHEM\1\DATA\0103\PAH0060.D
Acq On : 7 Jan 2003 18:37
Sample : DUB-02-B02182-S0023 ws5 2.0
Misc : Irish Geotechnical Services Ltd/soil

Vial: 54
Operator: Mathilde Ernoult
Inst : GCMS1
Multiplr: 1.51
Sample Amount: 0.00

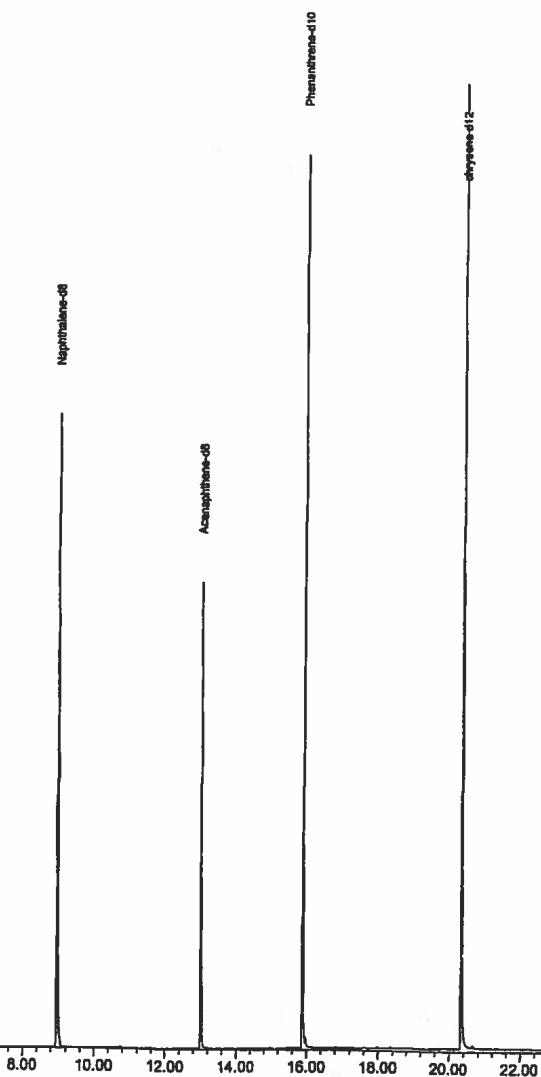
MS Integration Params: AUTOINT1.E
Quant Time: Jan 8 14:44:2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

Abundance

TIC: PAH0060.D



PAH0060.D

DPAH19.M

Wed Jan 08 14:44:43 2003

Page 2

Data File : C:\MSDCHEM\1\DATA\0103\PAH0061.D
 Acq On : 7 Jan 2003 19:16
 Sample : DUB-02-B02182-S0025 WS5 4.5-5.0
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 55
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.52
 Sample Amount: 0.00

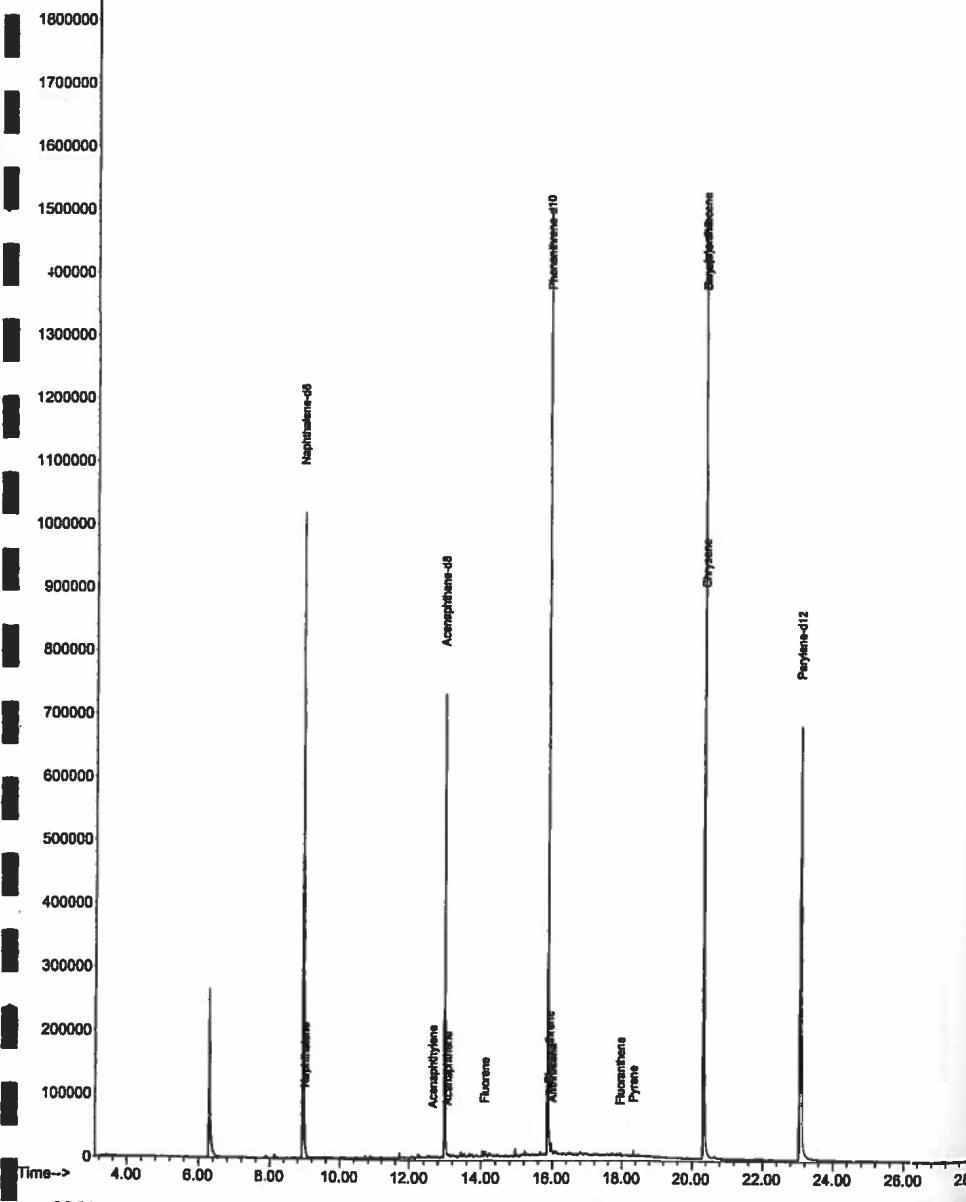
MS Integration Params: AUTOINT1.E
Quant Time: Jan 8 14:45 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0061.D



Data File : C:\MSDCHEM\1\DATA\0103\PAH0062.D
 Acq On : 7 Jan 2003 19:55
 Sample : DUB-02-B02182-S0028 WS7 1.0-1.5
 Misc : Irish Geotechnical Services Ltd/soil

Vial: 56
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.47
 Sample Amount: 0.00

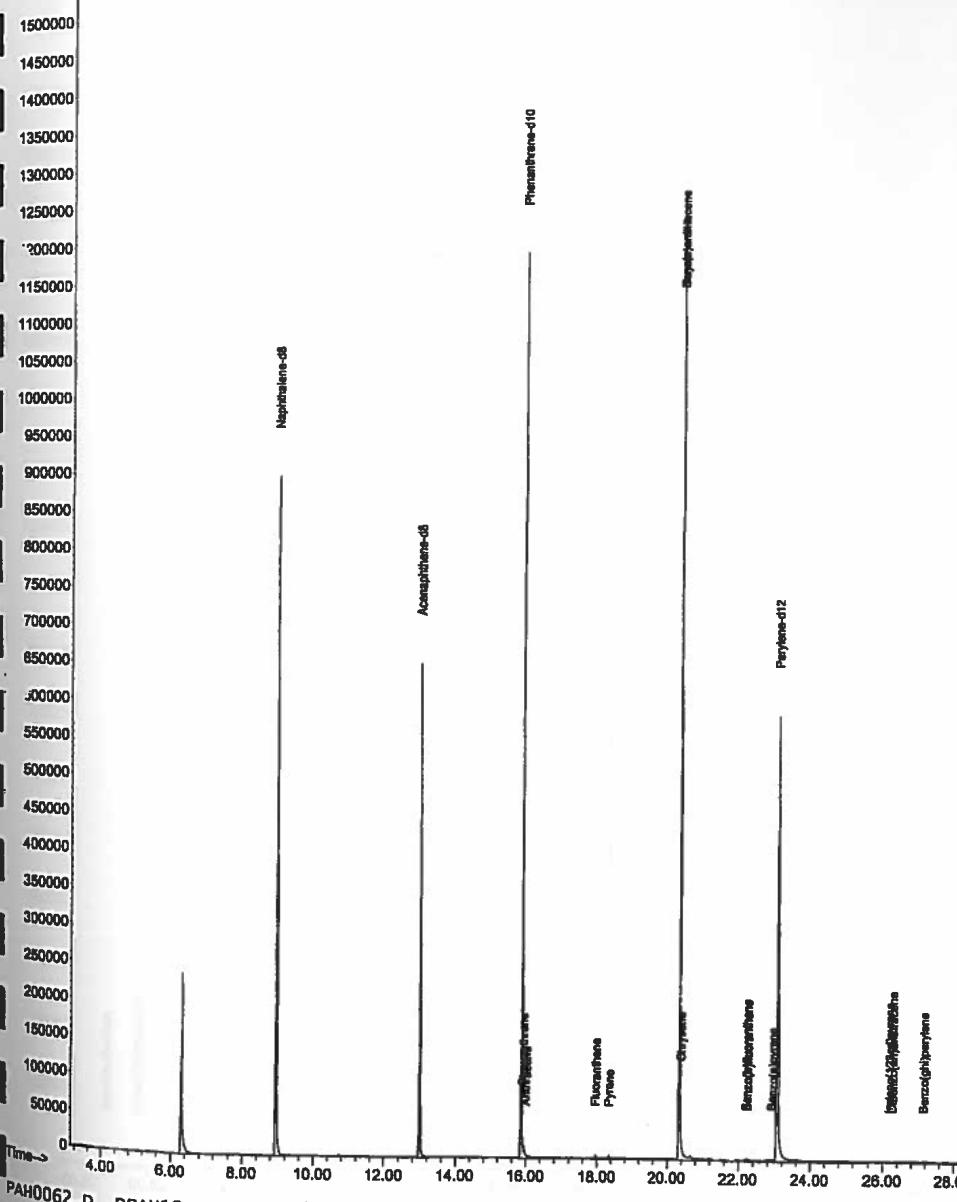
MS Integration Params: AUTOINT1.E
Quant Time: Jan 8 14:46 2003

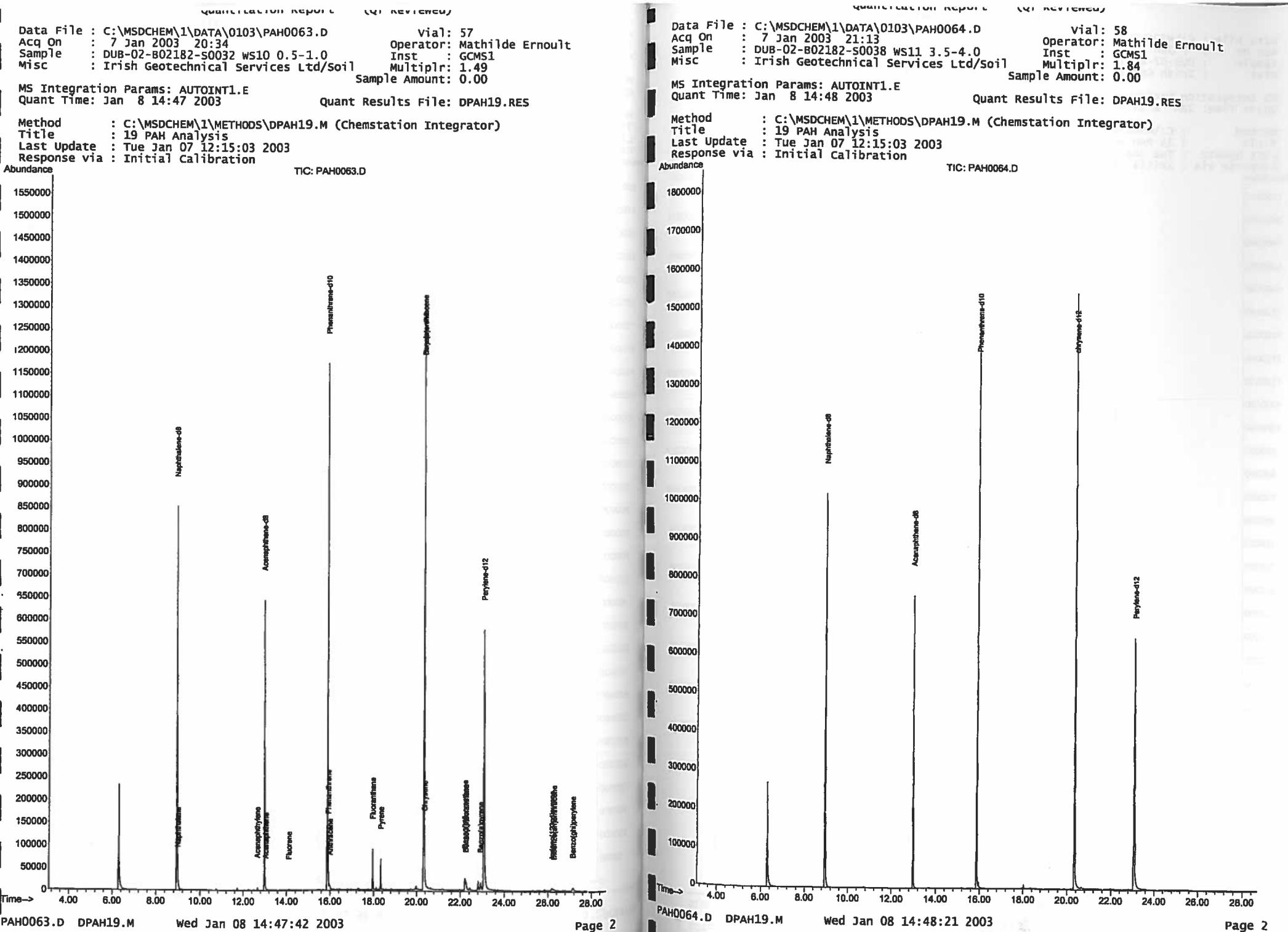
Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0062.D





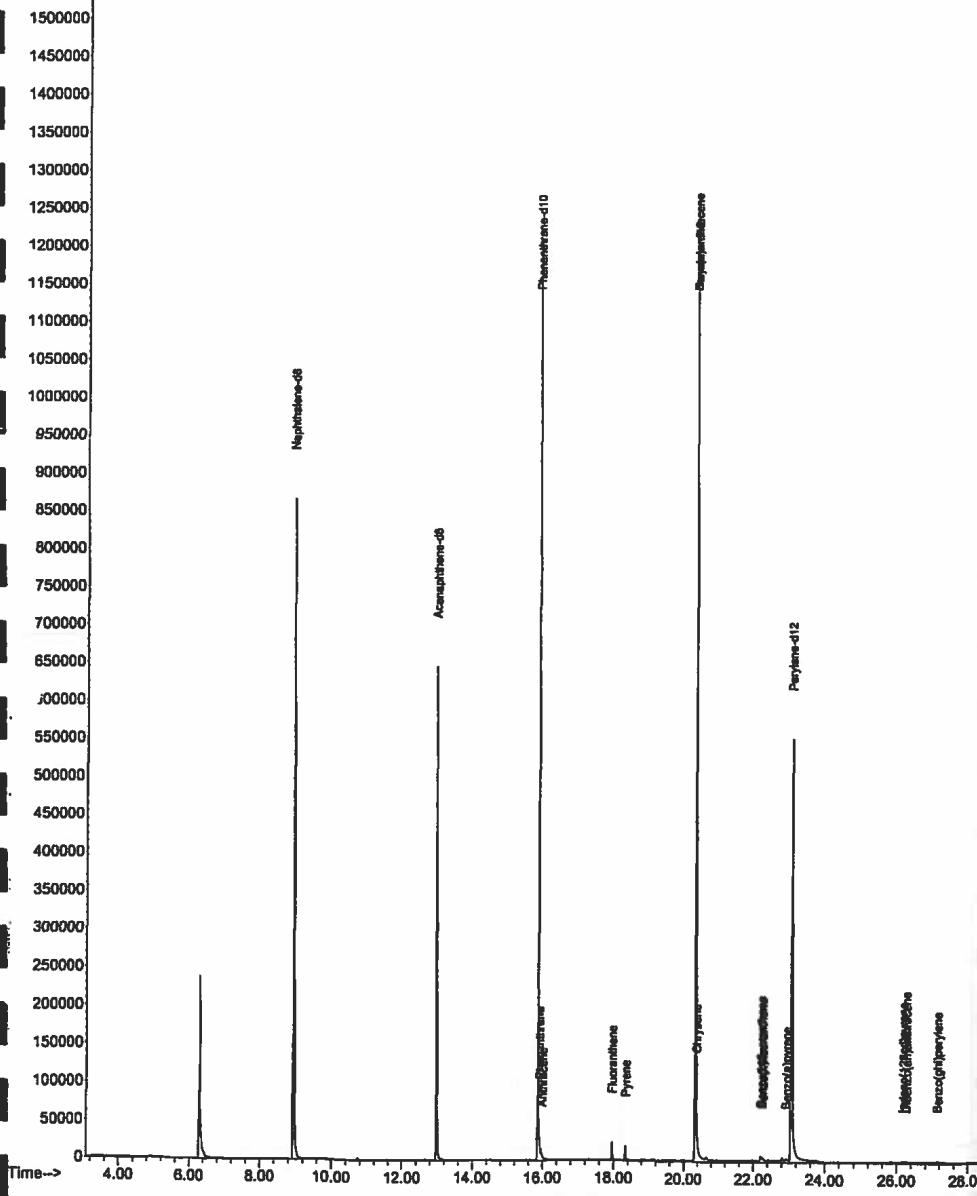
Data File : C:\MSDCHEM\1\DATA\0103\PAH0065.D Vial: 59
 Acq On : 7 Jan 2003 21:52 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0044 WS13-0.5-1.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multipllr: 1.50
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 8 14:48 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance



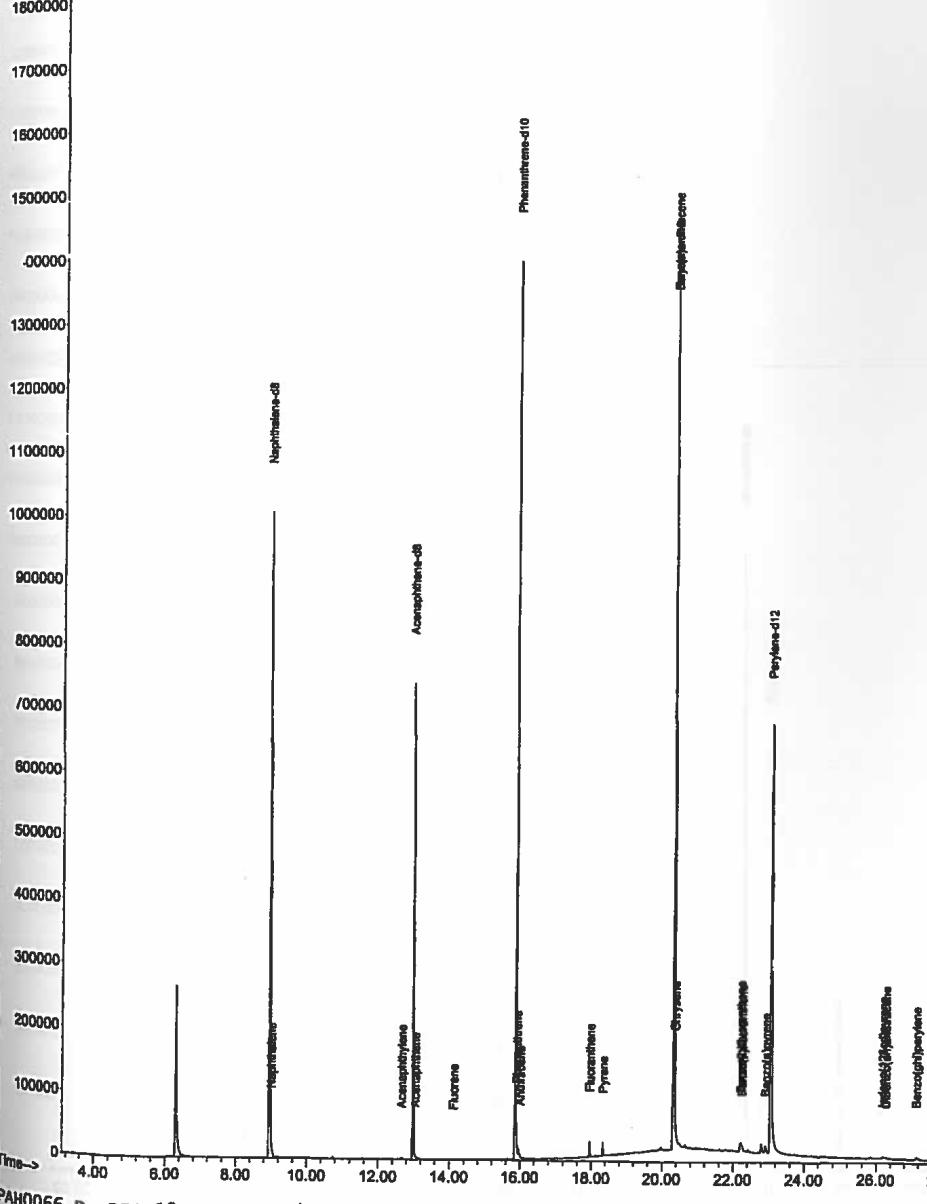
Data File : C:\MSDCHEM\1\DATA\0103\PAH0066.D Vial: 60
 Acq On : 7 Jan 2003 22:31 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0049 WS14 0.5-1.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multipllr: 1.49
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 8 14:49 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0103\PAH0067.D
 Acq On : 7 Jan 2003 23:10
 Sample : DUB-02-B02182-S0051 WS15 0.5-1.0
 Misc : Irish Geotechnical Services Ltd/Soil

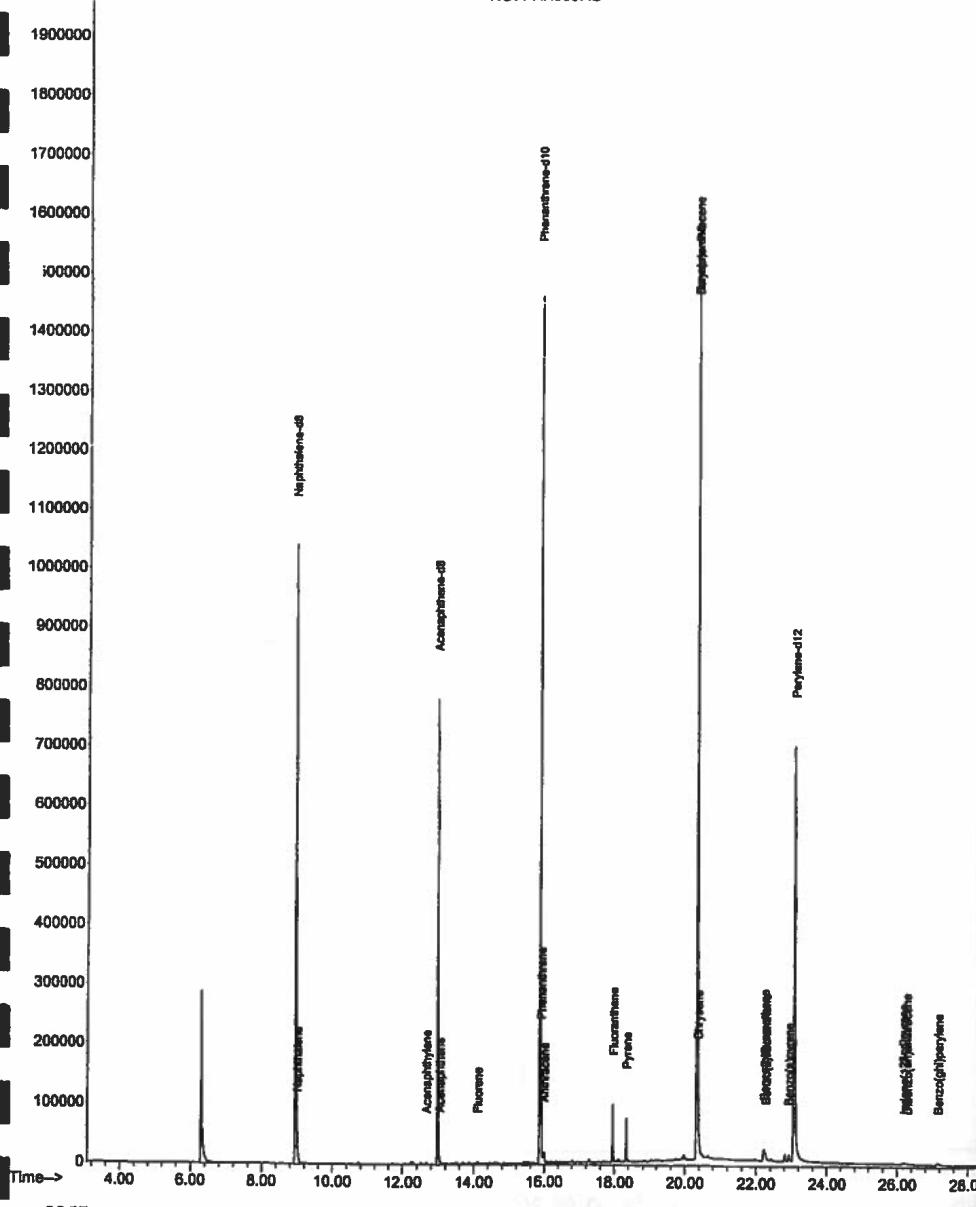
vial: 61
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.57
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 8 14:50 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0103\PAH0068.D
 Acq On : 7 Jan 2003 23:49
 Sample : DUB-02-B02182-S0054 WS16 0.5-1.0
 Misc : Irish Geotechnical Services Ltd/Soil

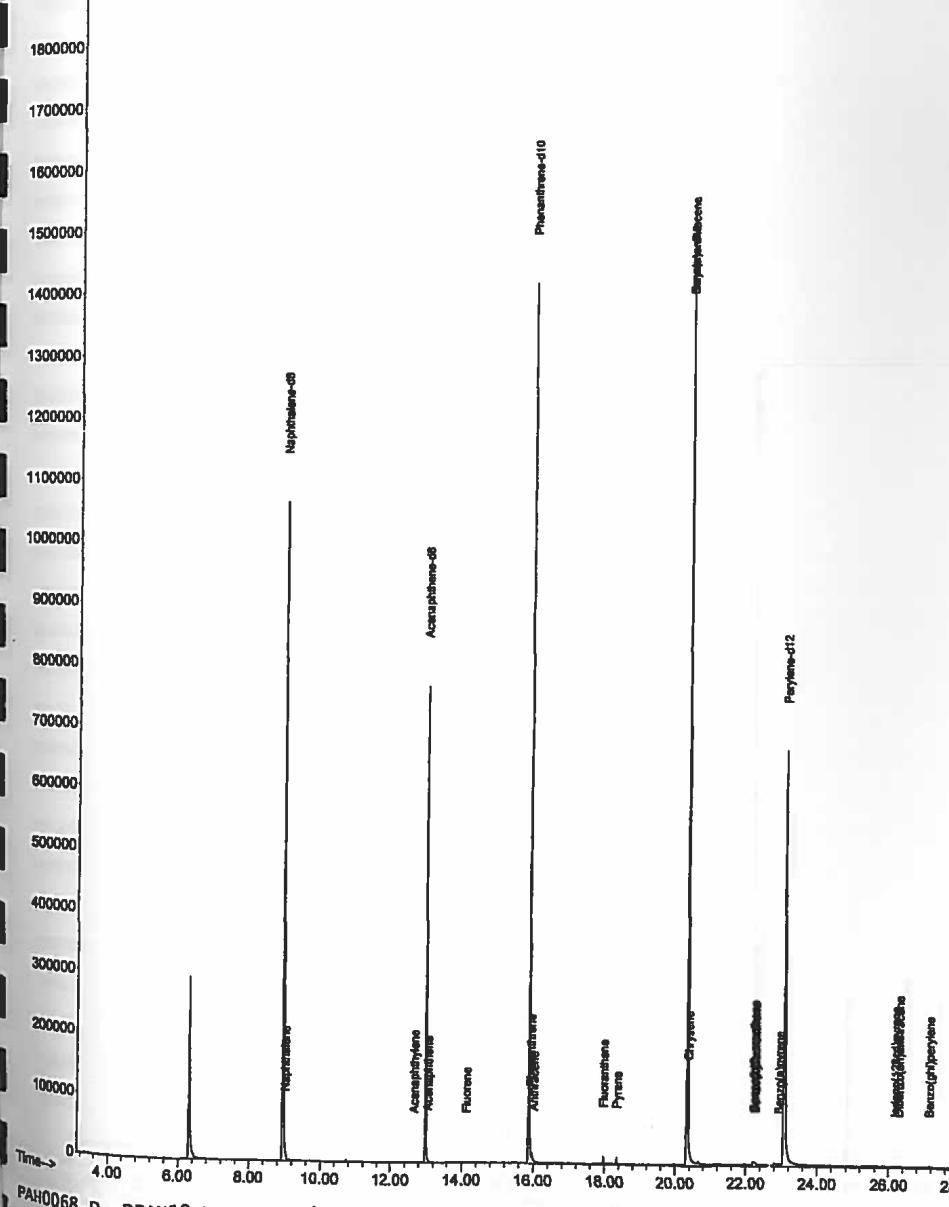
vial: 62
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.54
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 8 14:51:32 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0103\PAH0028.D
 Acq On : 6 Jan 2003 21:44
 Sample : DUB-02-B02182-50057 ws8 1.5-2.0
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 24
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.55
 Sample Amount: 0.00

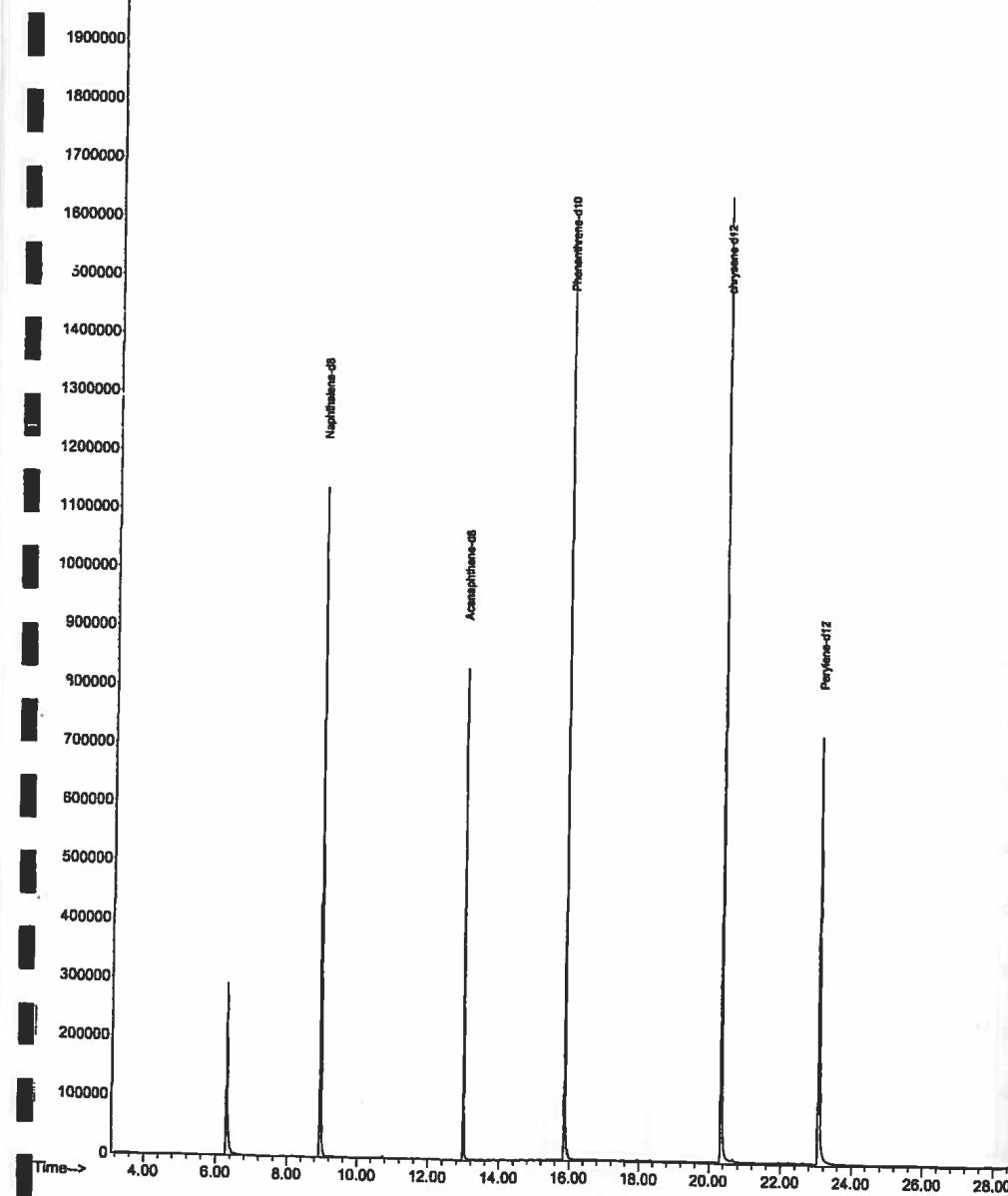
MS Integration Params: AUTOINT1.E
 Quant Time: Jan 7 14:28 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0028.D



Data File : C:\MSDCHEM\1\DATA\0403\PAH0009.D
 Acq On : 21 Jan 2003 14:41
 Sample : DUB-02-B02182-50017 ws3 1.5-2.0
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 9
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.68
 Sample Amount: 0.00

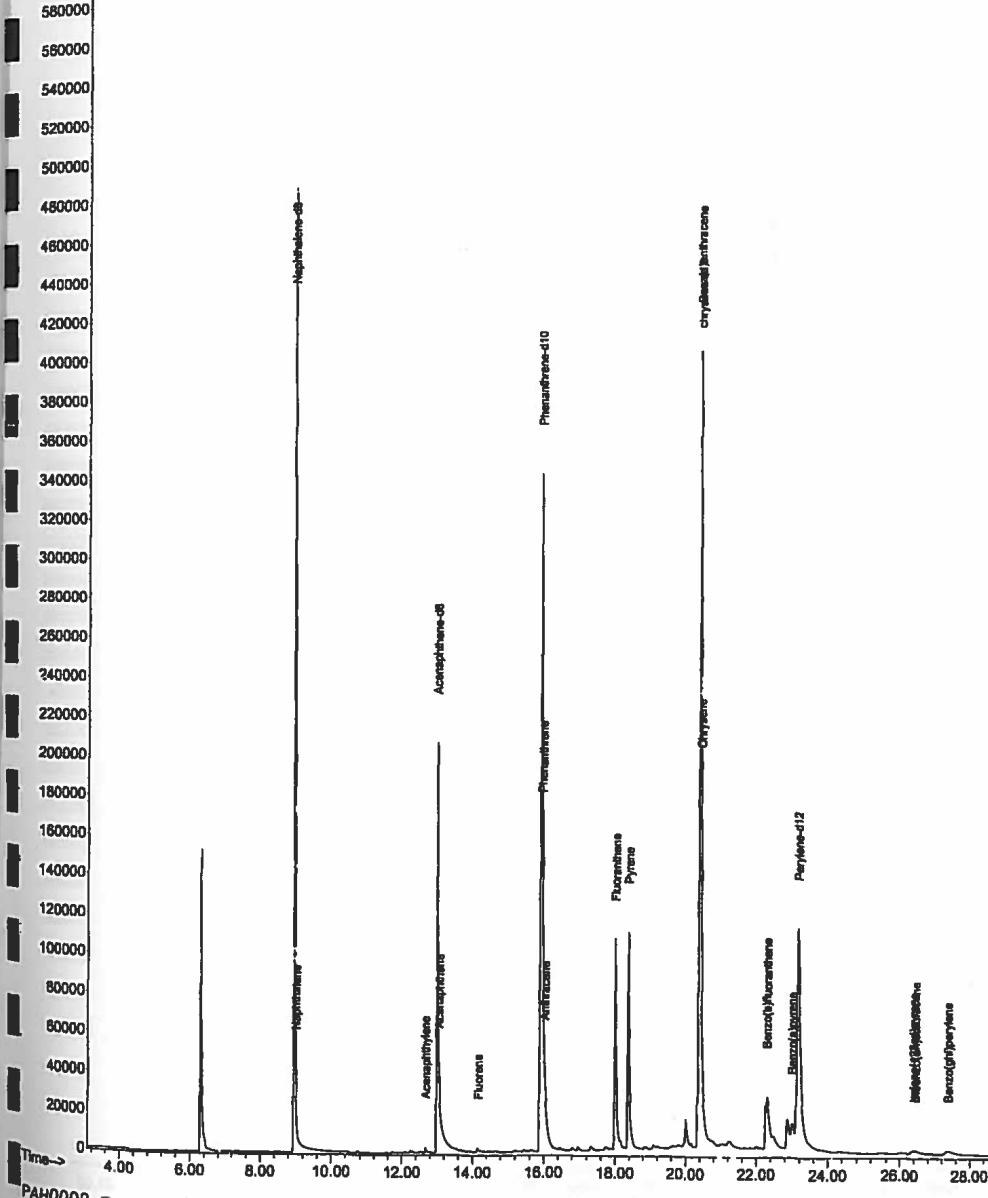
MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:02 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0009.D



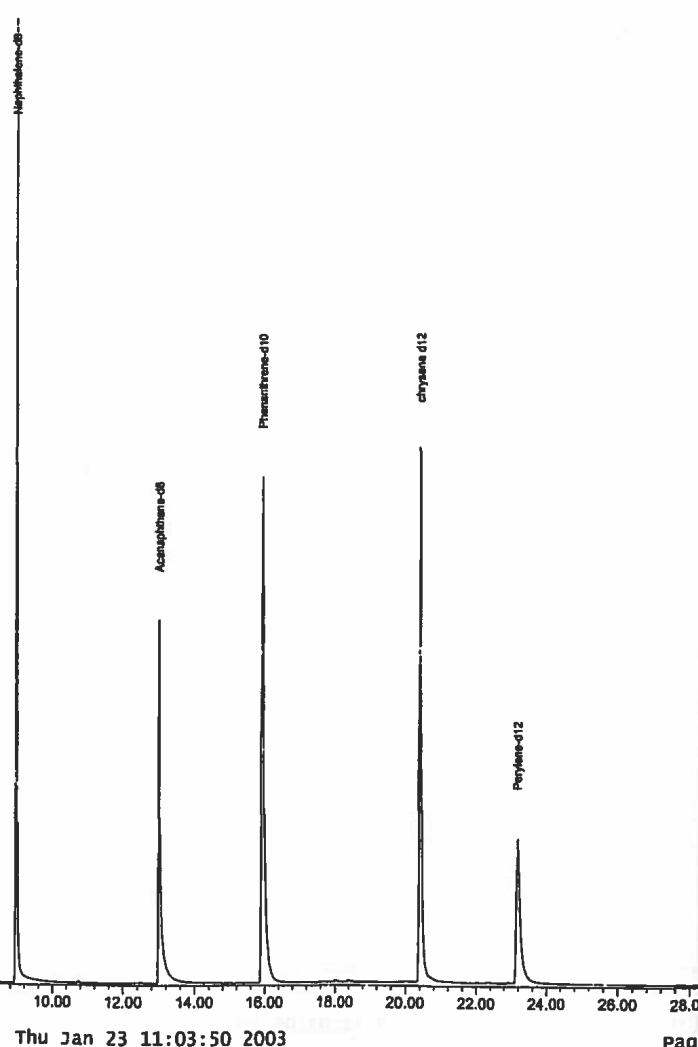
Data File : C:\MSDCHEM\1\DATA\0403\PAH0010.D vial: 10
 Acq On : 21 Jan 2003 15:21 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0034 ws10 3.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.58
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:03 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance



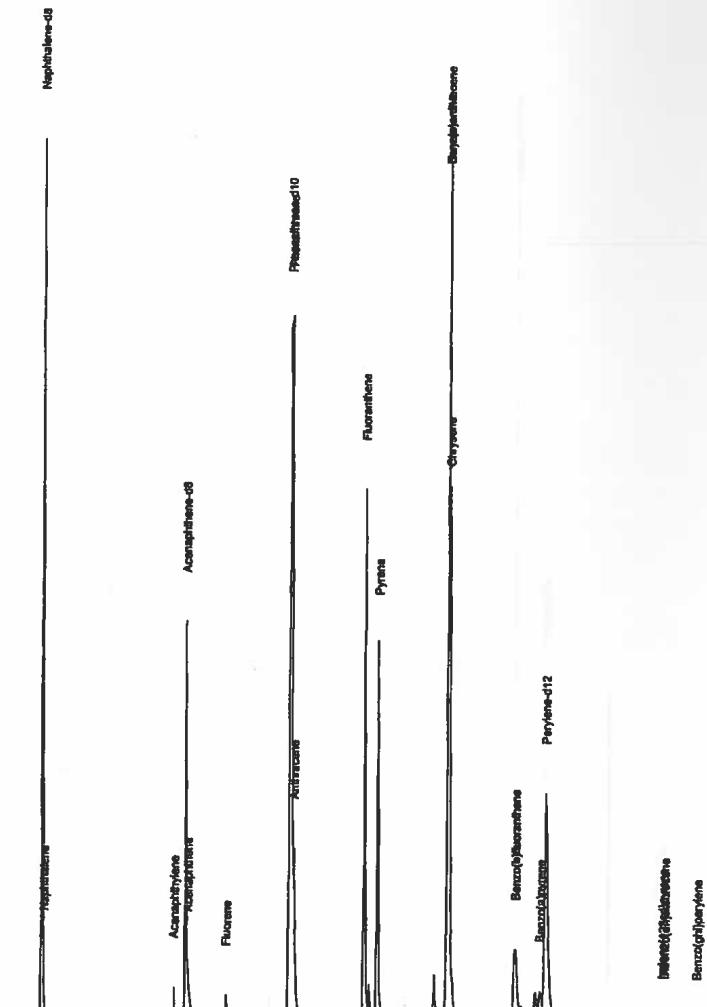
Data File : C:\MSDCHEM\1\DATA\0403\SNAPSHOT\PAH0011.D vial: 11
 Acq On : 21 Jan 2003 16:02 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0036 ws11 0.5-1.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.53
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:05 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0403\PAH0012.D
 Acq On : 21 Jan 2003 16:42
 Sample : DUB-02-B02182-S0039 WS11 4.5-5.0
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 12
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.82
 Sample Amount: 0.00

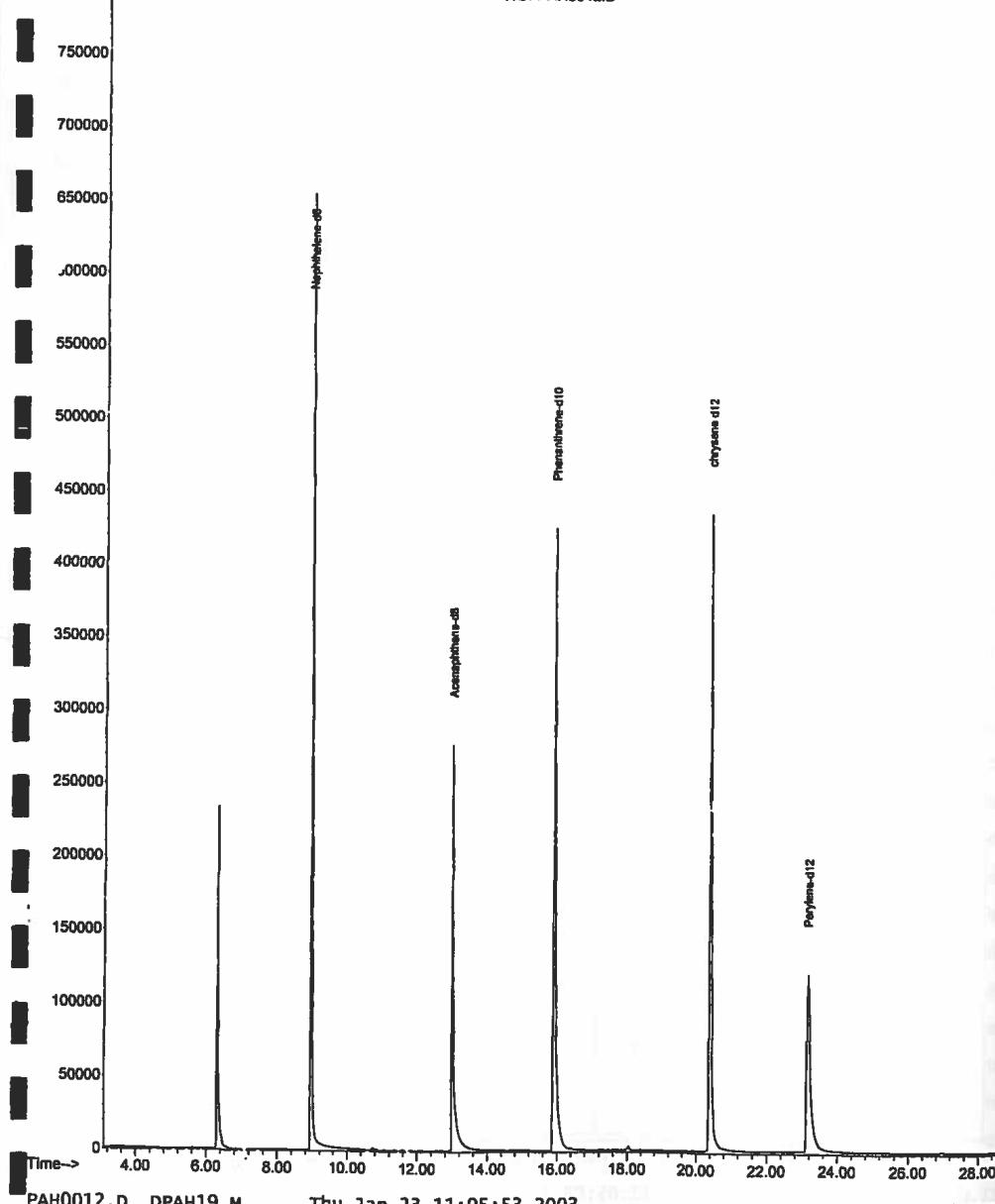
MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:05 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0012.D



Data File : C:\MSDCHEM\1\DATA\0403\PAH0013.D
 Acq On : 21 Jan 2003 17:22
 Sample : DUB-02-B02182-S0040 WS12 0.5-1.0
 Misc : Irish Geotechnical Services Ltd/Soil

vial: 13
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.58
 Sample Amount: 0.00

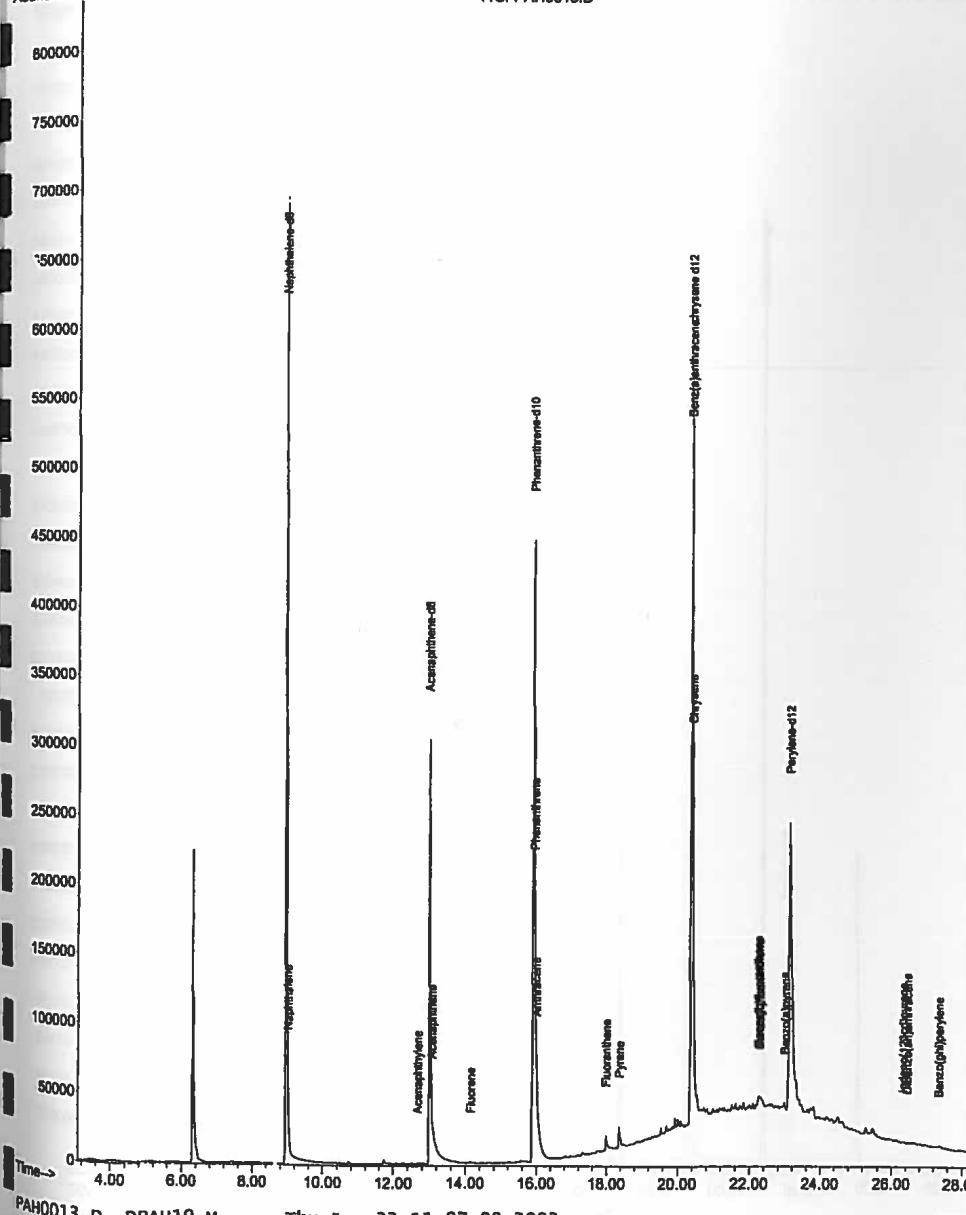
MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:07 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0013.D



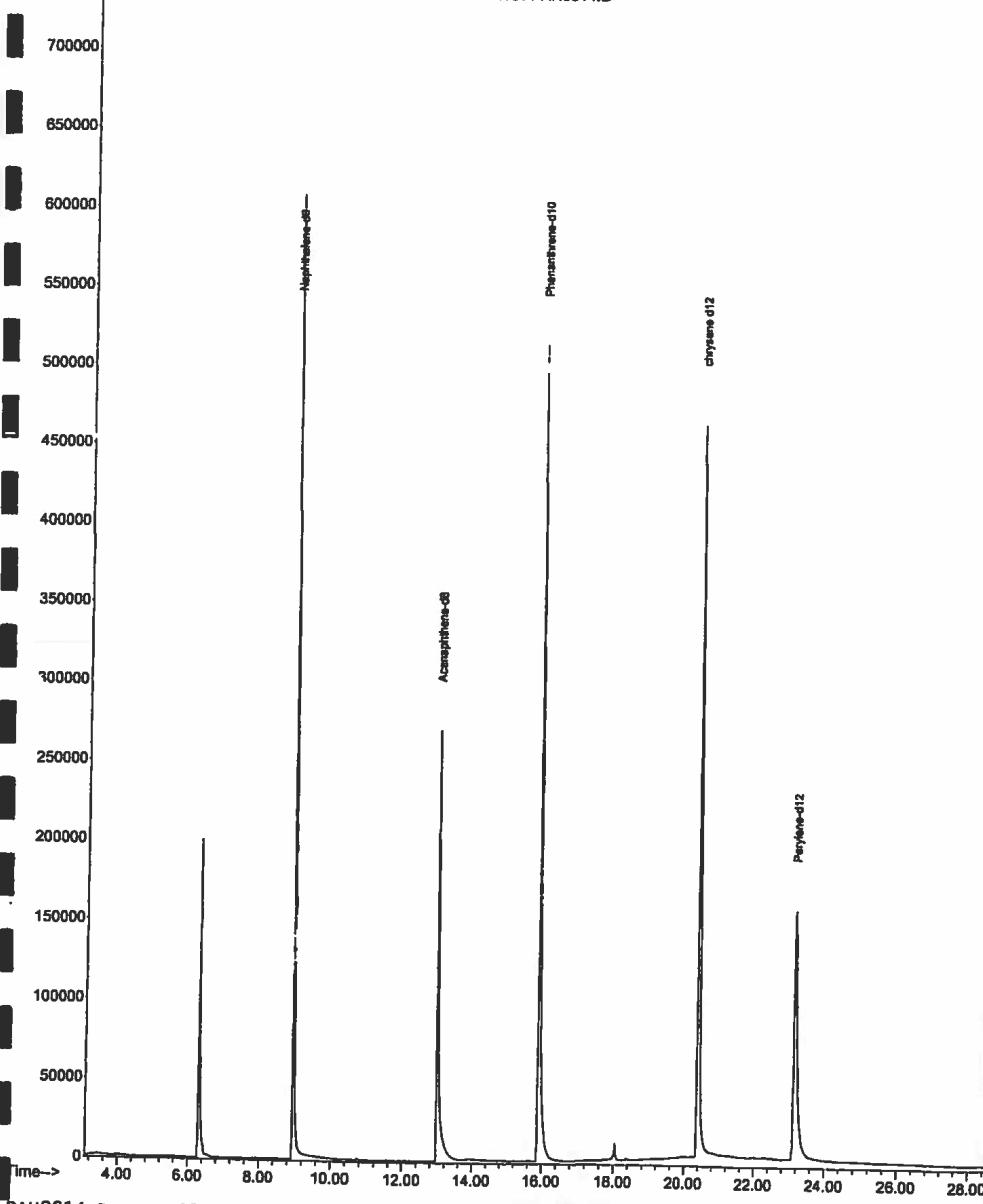
Data File : C:\MSDCHEM\1\DATA\0403\PAH0014.D Vial: 14
 Acq On : 21 Jan 2003 18:02 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0042 WS12 3.5-4.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.83
 MS Integration Params: AUTOINT1.E Sample Amount: 0.00

Quant Time: Jan 23 11:07 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance



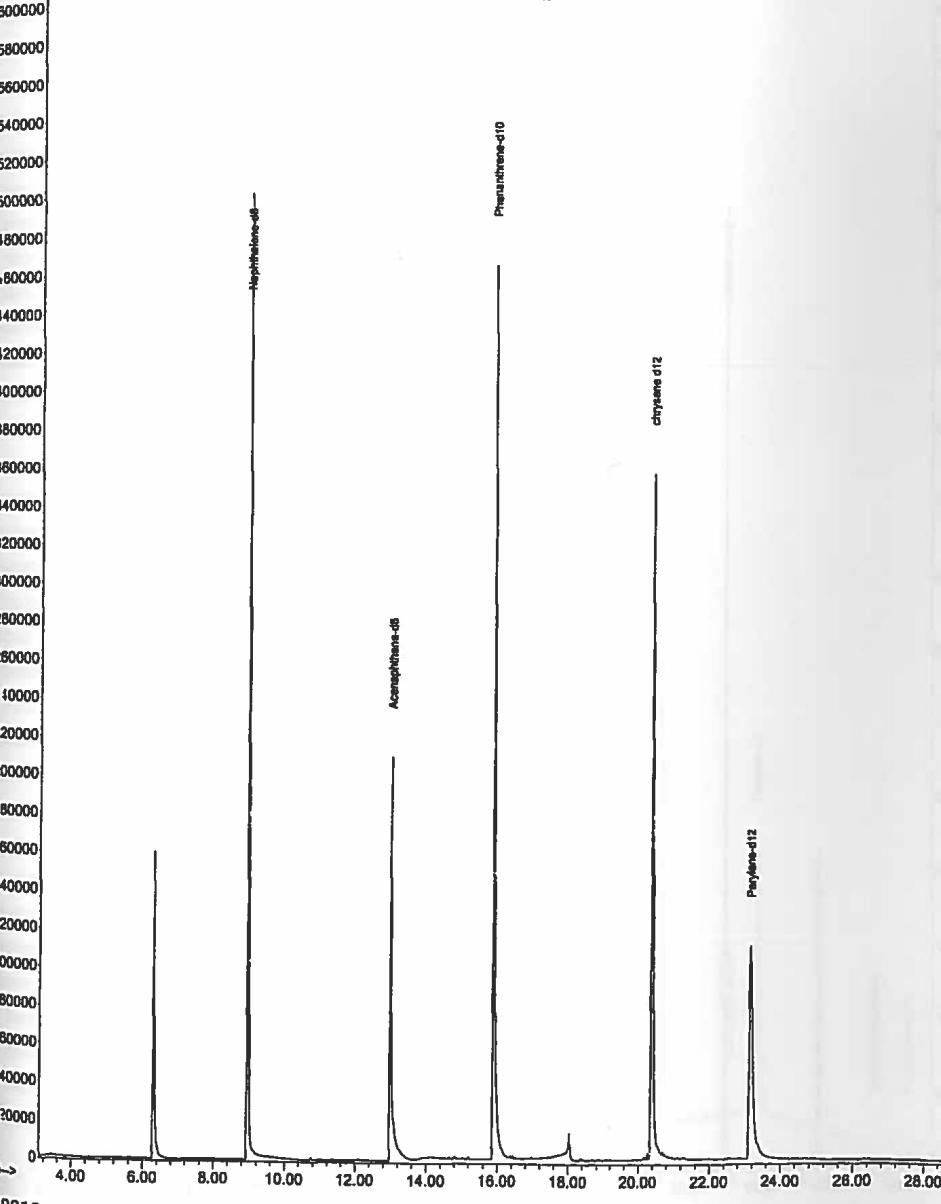
Data File : C:\MSDCHEM\1\DATA\0403\PAH0015.D vial: 15
 Acq On : 21 Jan 2003 18:43 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0043 WS12 4.5-5.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/soil Multiplr: 1.89
 MS Integration Params: AUTOINT1.E Sample Amount: 0.00

Quant Time: Jan 23 11:08 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance



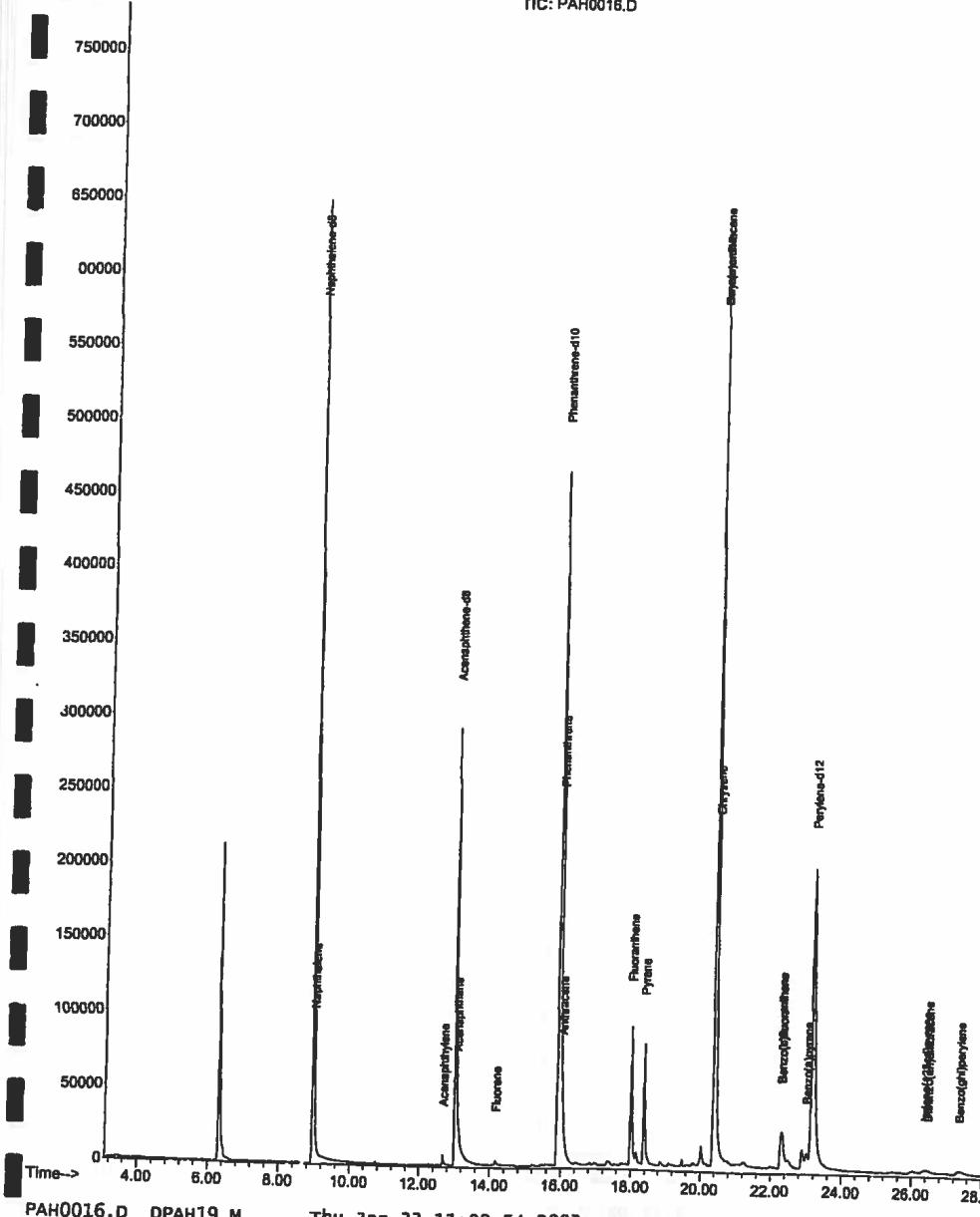
Data File : C:\MSDCHEM\1\DATA\0403\PAH0016.D
 Acq On : 21 Jan 2003 19:23
 Sample : DUB-02-B02182-S0045 WS13 1.5-2.0
 Misc : Irish Geotechnical Services Ltd/Soil
 MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:09 2003

Vial: 16
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.54
 Sample Amount: 0.00

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance



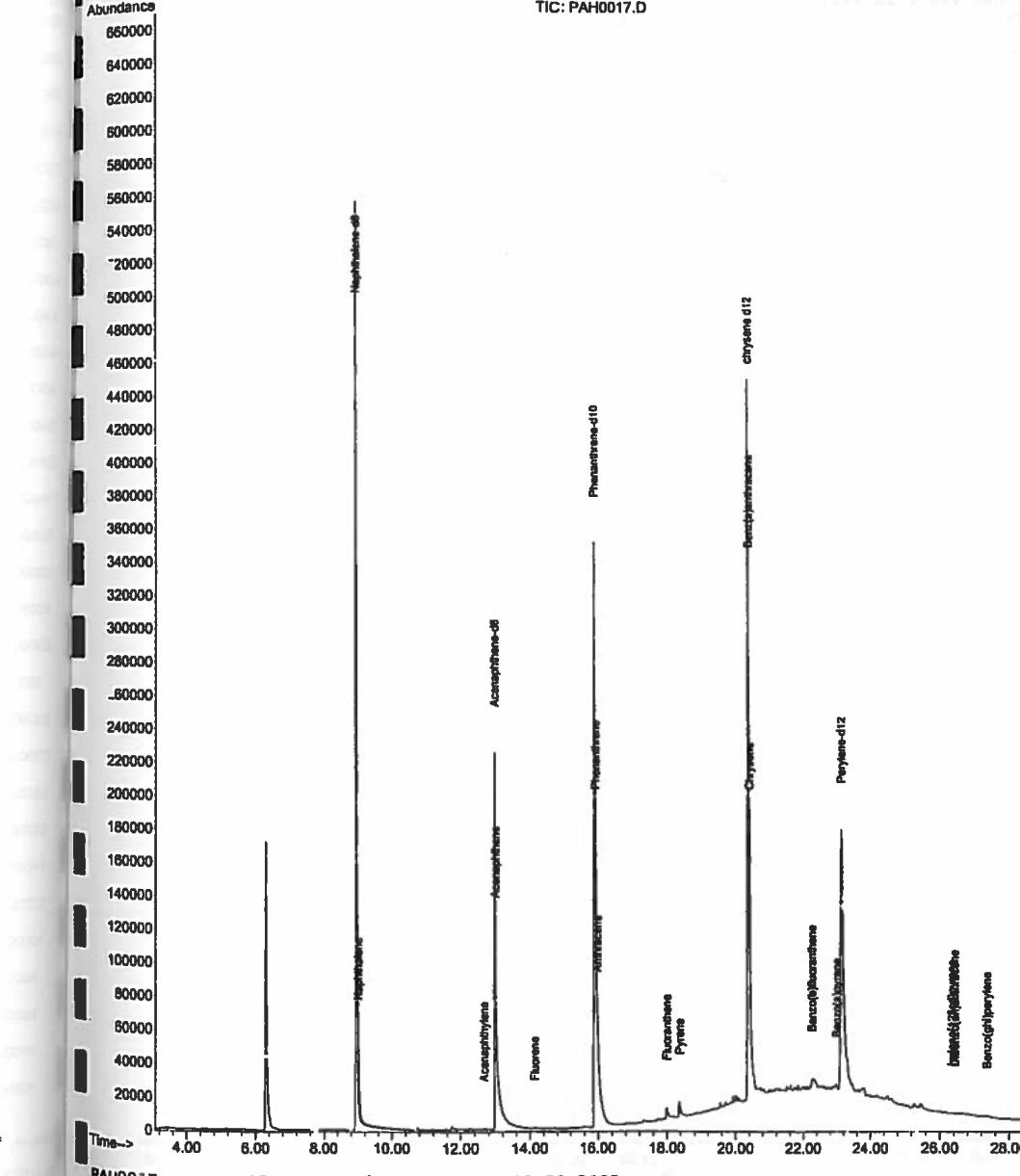
Data File : C:\MSDCHEM\1\DATA\0403\PAH0017.D
 Acq On : 21 Jan 2003 20:03
 Sample : DUB-02-B02182-S0047 WS13 4.5-5.0
 Misc : Irish Geotechnical Services Ltd/Soil
 MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:10 2003

vial: 17
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 1.49
 Sample Amount: 0.00

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance



Quantitation Report (QT Reviewed)

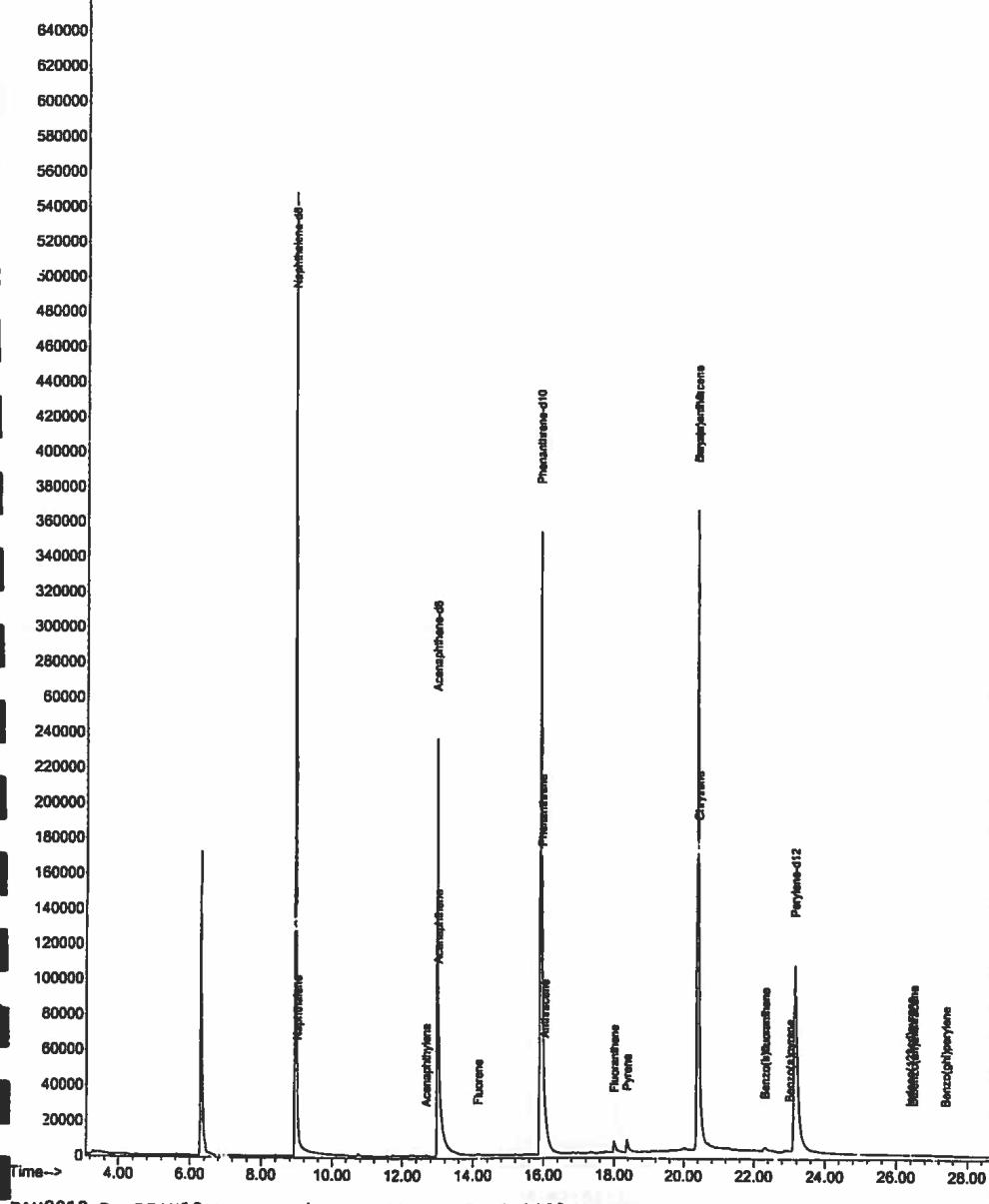
Data File : C:\MSDCHEM\1\DATA\0403\PAH0018.D Vial: 18
 Acq On : 22 Jan 2003 9:33 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0050 ws14 2.5-3.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.00
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:13 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

Abundance



Quantitation Report (QT Reviewed)

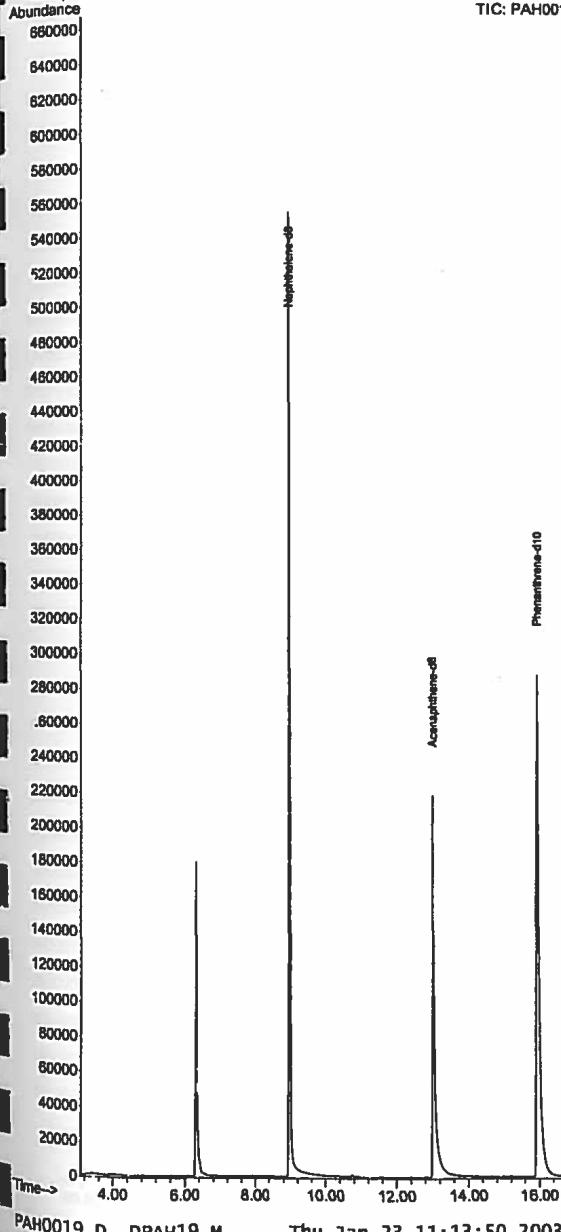
Data File : C:\MSDCHEM\1\DATA\0403\PAH0019.D Vial: 19
 Acq On : 22 Jan 2003 10:12 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0053 ws15 3.5-4.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/soil Multiplr: 1.75
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 23 11:13 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Thu Jan 23 10:19:53 2003
 Response via : Initial Calibration

TIC: PAH0019.D



Data File : C:\MSDCHEM\1\DATA\0103\PAH0021.D
Acq On : 6 Jan 2003 17:09
Sample : DUB-02-B02182-S0006 BH1 3.5m
Misc : Irish Geotechnical Services Ltd/Water

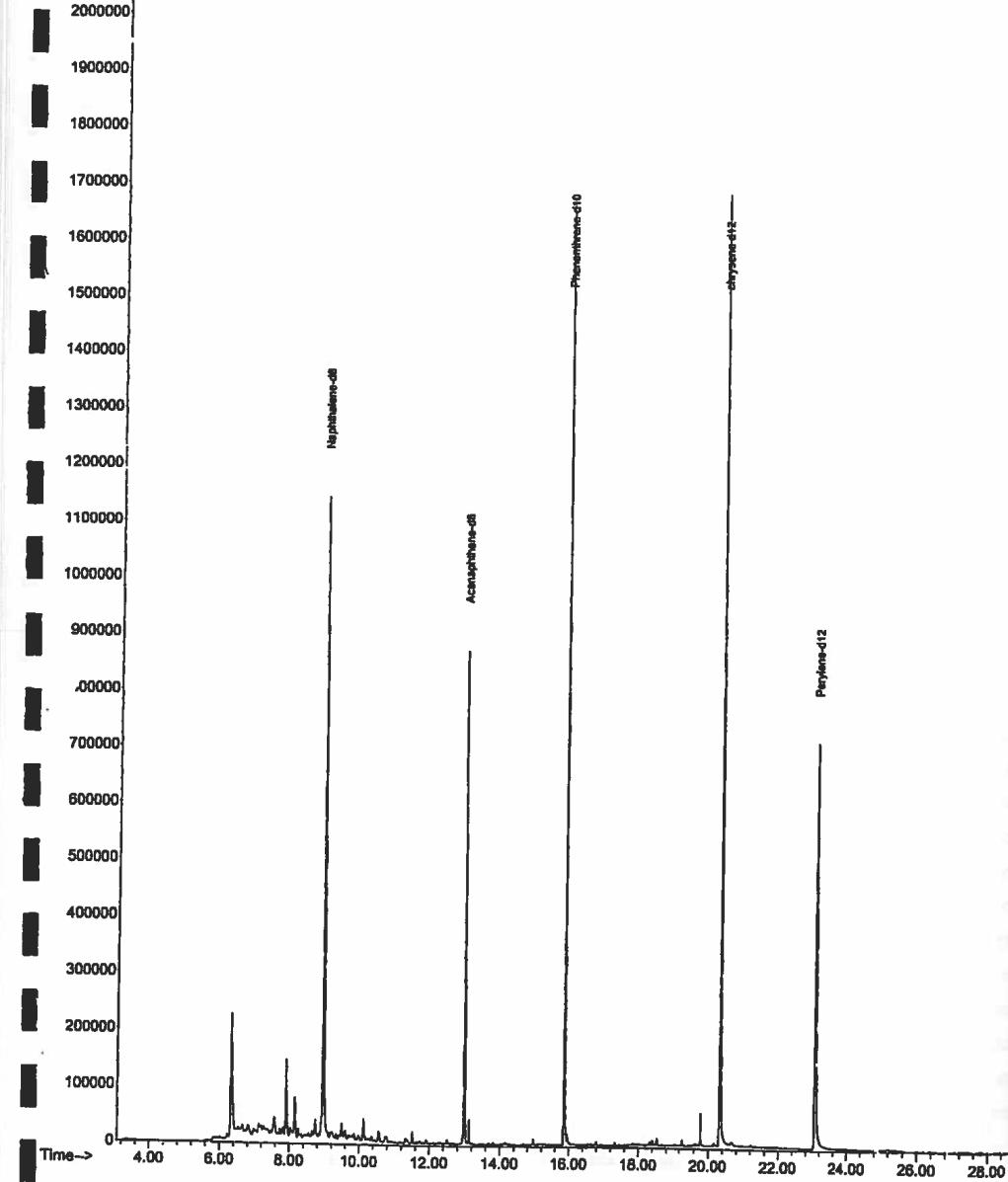
vial: 17
Operator: Mathilde Ernoult
Inst : GCMS1
Multiplr: 0.01
Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
Quant Time: Jan 7 14:22 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0103\PAH0141.D
Acq On : 9 Jan 2003 23:26
Sample : DUB-02-B02182-S0008 ws1 1.5
Misc : Irish Geotechnical Services Ltd/Leachate

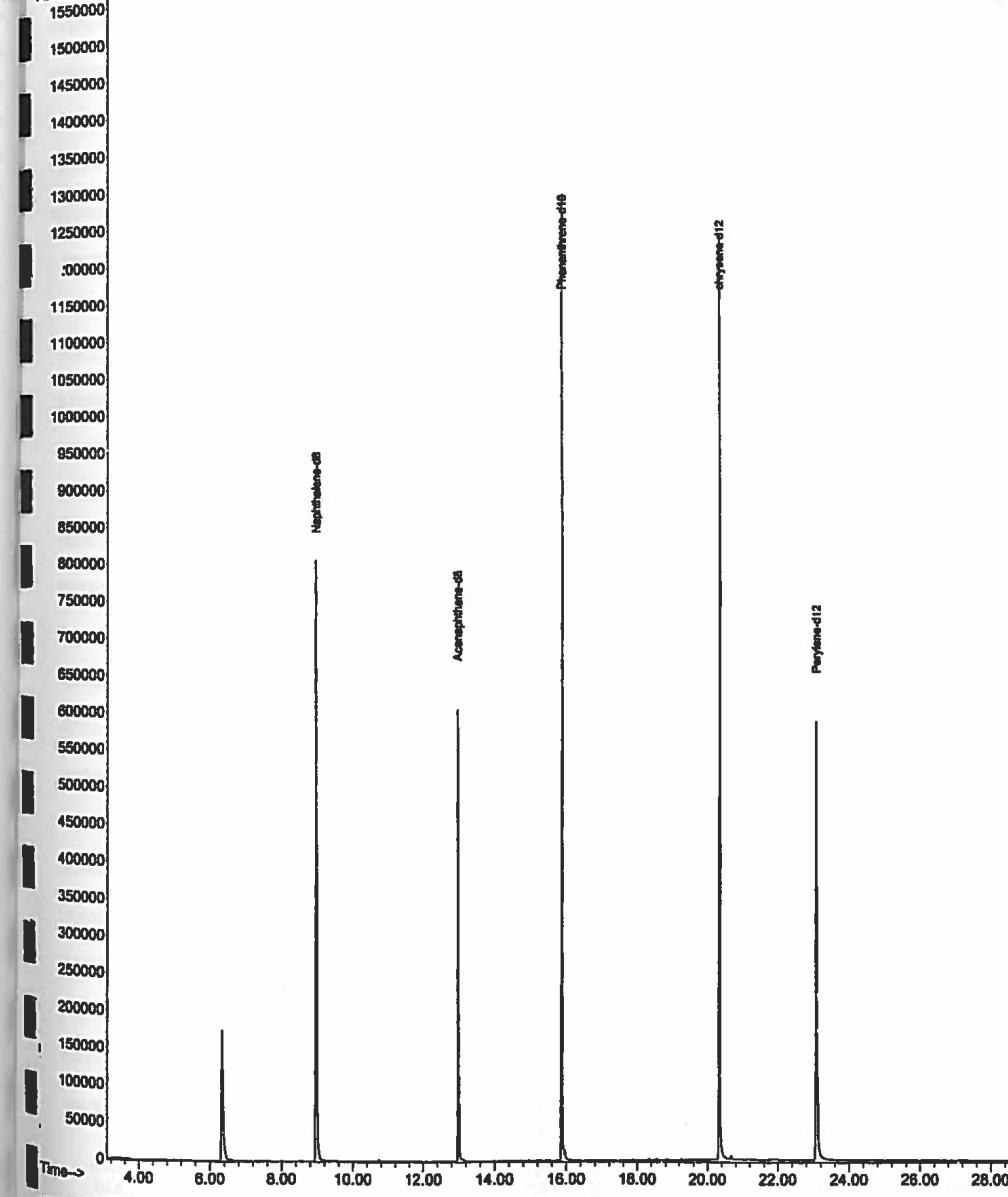
vial: 34
Operator: Mathilde Ernoult
Inst : GCMS1
Multiplr: 0.01
Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
Quant Time: Jan 10 11:22 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

Abundance



QUALITY CONTROL REPORT

QC REVIEWED

Data File : C:\MSDCHEM\1\DATA\0103\PAH0122.D Vial: 16
 Acq On : 9 Jan 2003 10:54 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-S0014 WS2 3.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Leachate Multiplr: 0.01
 Sample Amount: 0.00

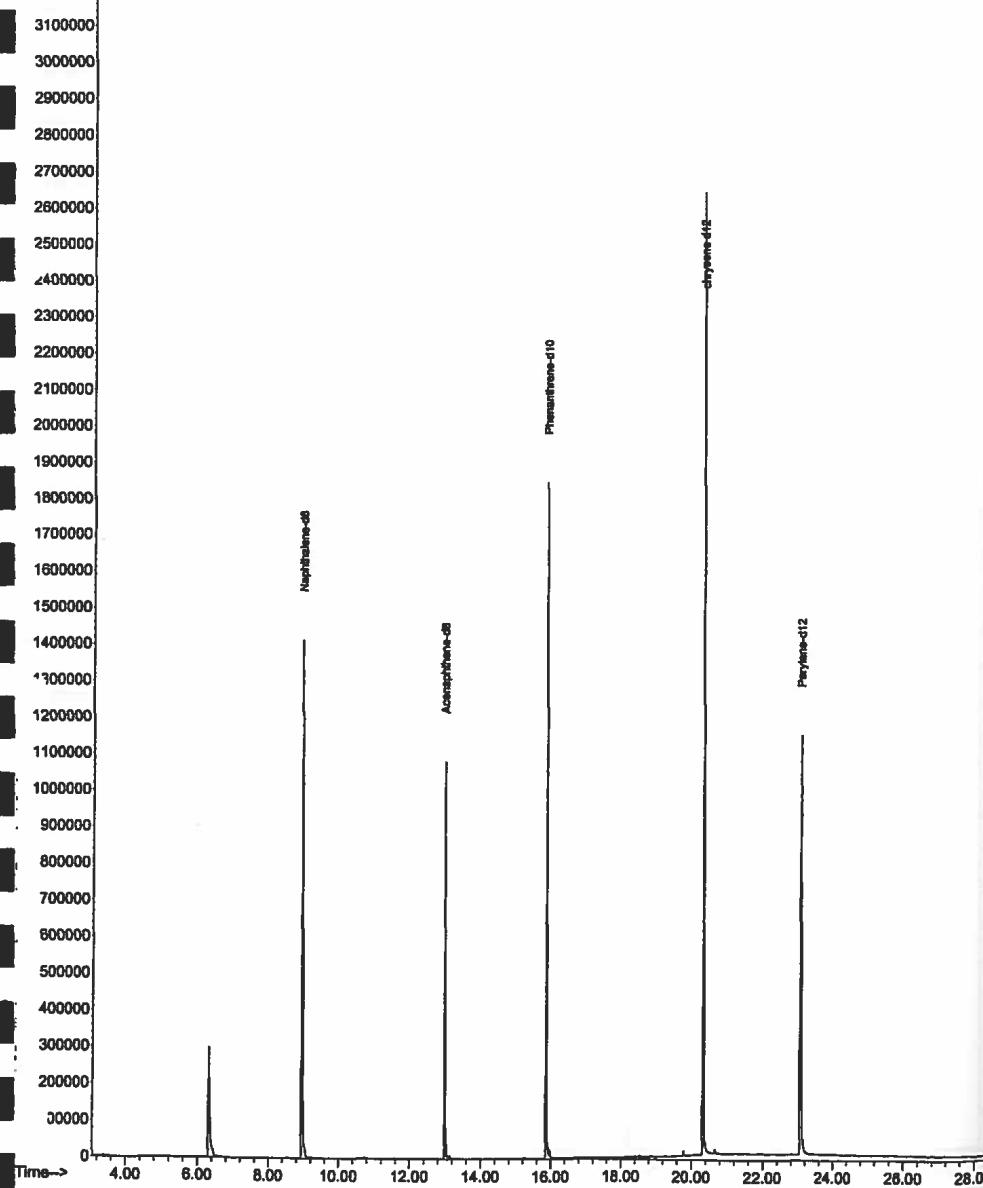
MS Integration Params: AUTOINT1.E
 Quant Time: Jan 9 15:00 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0122.D



PAH0122.D

DPAH19.M

Thu Jan 09 15:01:04 2003

Page 2

Data File : C:\MSDCHEM\1\DATA\0103\PAH0148.D

Acq On : 10 Jan 2003 4:00

Sample : DUB-02-B02182-S0018 WS3 0.5-1.0

Misc : Irish Geotechnical Services/Leachate

Vial: 41

Operator: Mathilde Ernoult

Inst : GCMS1

Multiplr: 0.01

Sample Amount: 0.00

MS Integration Params: AUTOINT1.E

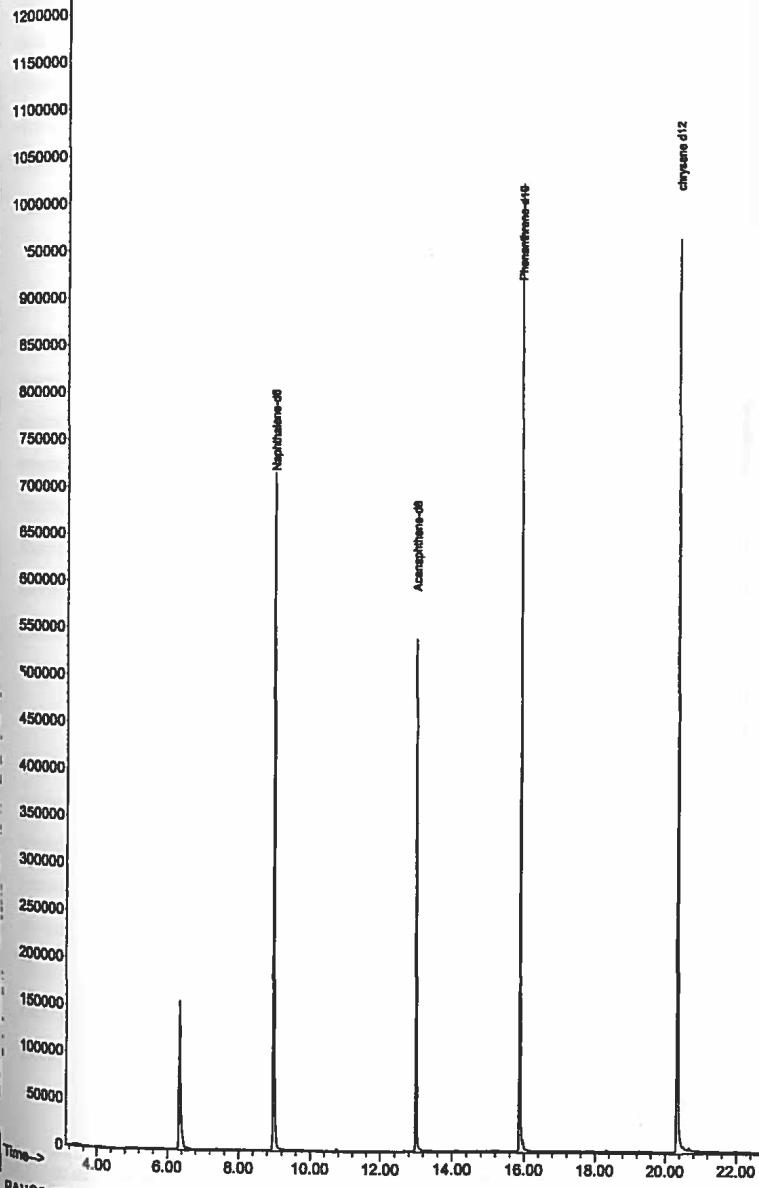
Quant Time: Jan 10 11:36 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Fri Jan 10 11:35:22 2003
 Response via : Initial Calibration

Abundance

TIC: PAH0148.D



PAH0148.D

DPAH19.M

Fri Jan 10 11:36:43 2003

Page 2

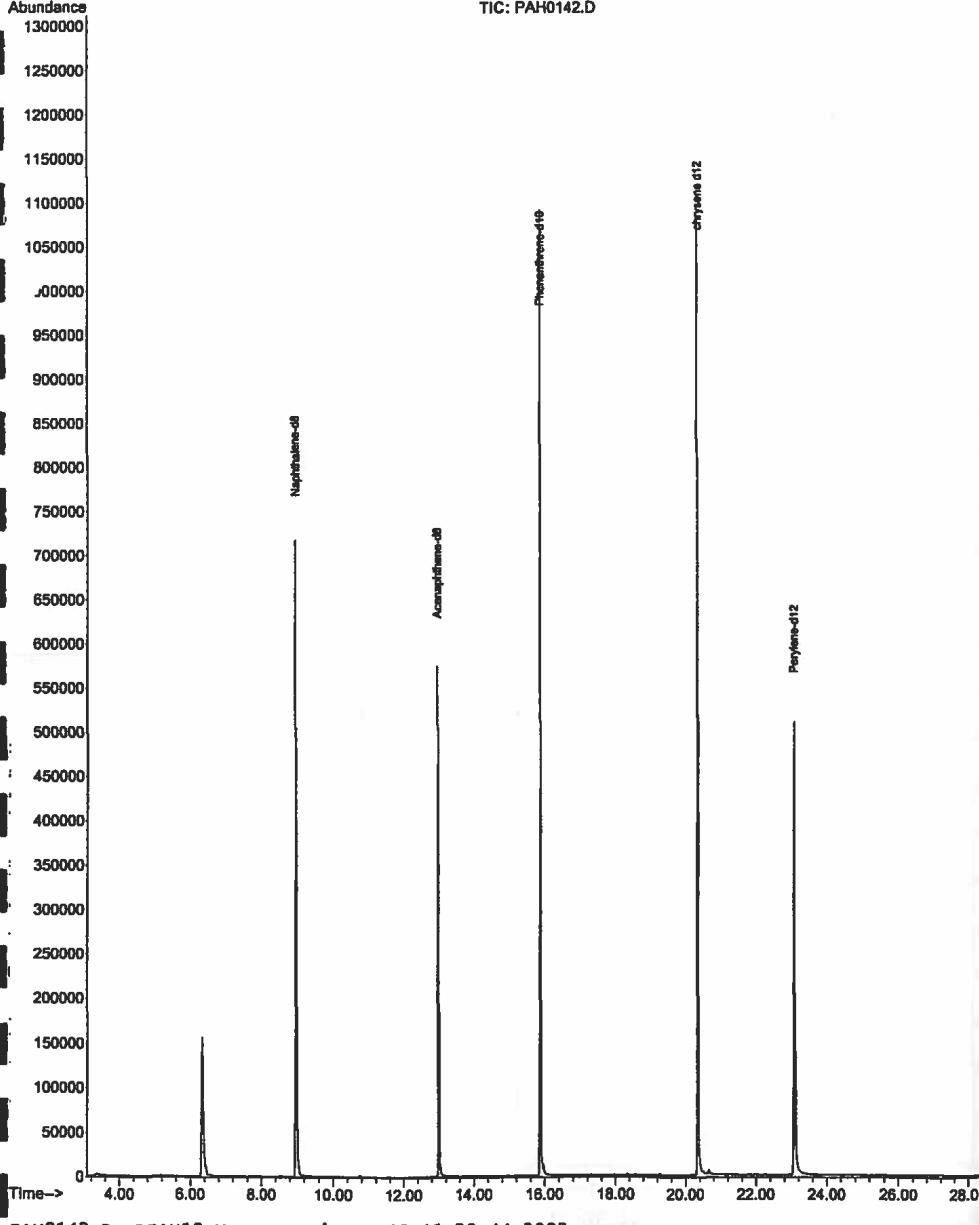
Data File : C:\MSDCHEM\1\DATA\0103\PAH0142.D Vial: 35
Acq On : 10 Jan 2003 00:05 Operator: Mathilde Ernoult
Sample : DUB-02-802182-S0022 WS5 1.5-2.0 Inst : GCMS1
Misc : Irish Geotechnical Services Ltd/Leachate Multiplr: 0.01
Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
Quant Time: Jan 10 11:28 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last Update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

TIC: PAH0142.D



PAH0142.D DPAH19.M Fri Jan 10 11:28:44 2003

Page 2

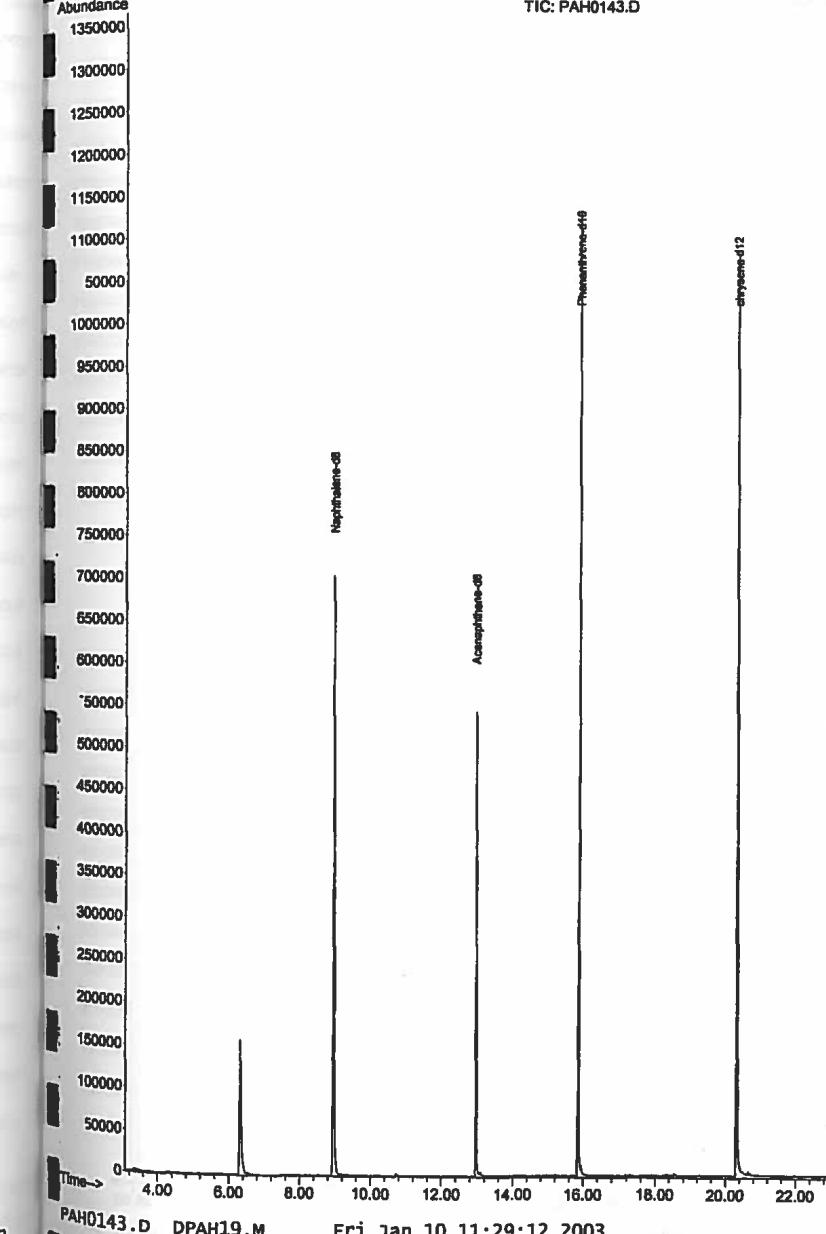
Data File : C:\MSDCHEM\1\DATA\0103\PAH0143.D Vial: 36
Acq On : 10 Jan 2003 00:44 Operator: Mathilde Ernoult
Sample : DUB-02-802182-S0024 WS5 4.0-5.0 Inst : GCMS1
Misc : Irish Geotechnical Services Ltd/Leachate Multiplr: 0.01
Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
Quant Time: Jan 10 11:29 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
Title : 19 PAH Analysis
Last update : Tue Jan 07 12:15:03 2003
Response via : Initial Calibration

TIC: PAH0143.D



PAH0143.D DPAH19.M Fri Jan 10 11:29:12 2003

Page 2

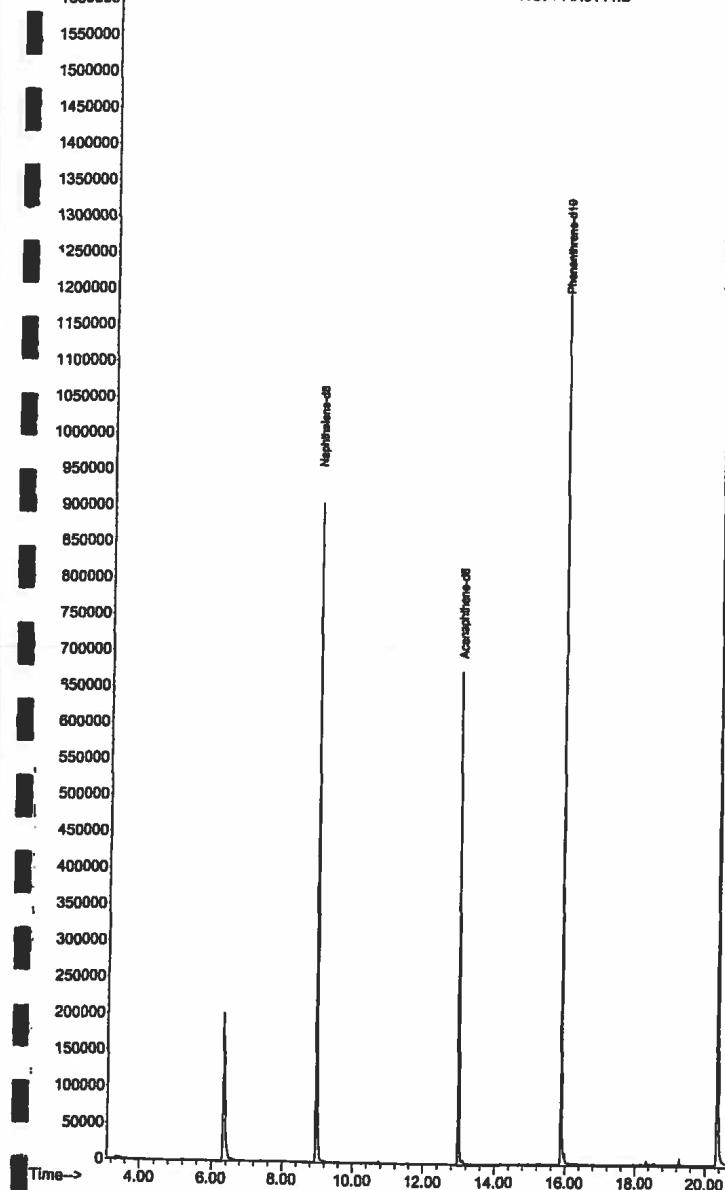
Data File : C:\MSDCHEM\1\DATA\0103\PAH0144.D Vial: 37
 Acq On : 10 Jan 2003 1:24 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-50045 WS13 1.5-2.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Leachate Multiplr: 0.01
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 10 11:29 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance



PAH0144.D

DPAH19.M

Fri Jan 10 11:29:40 2003

Page 2

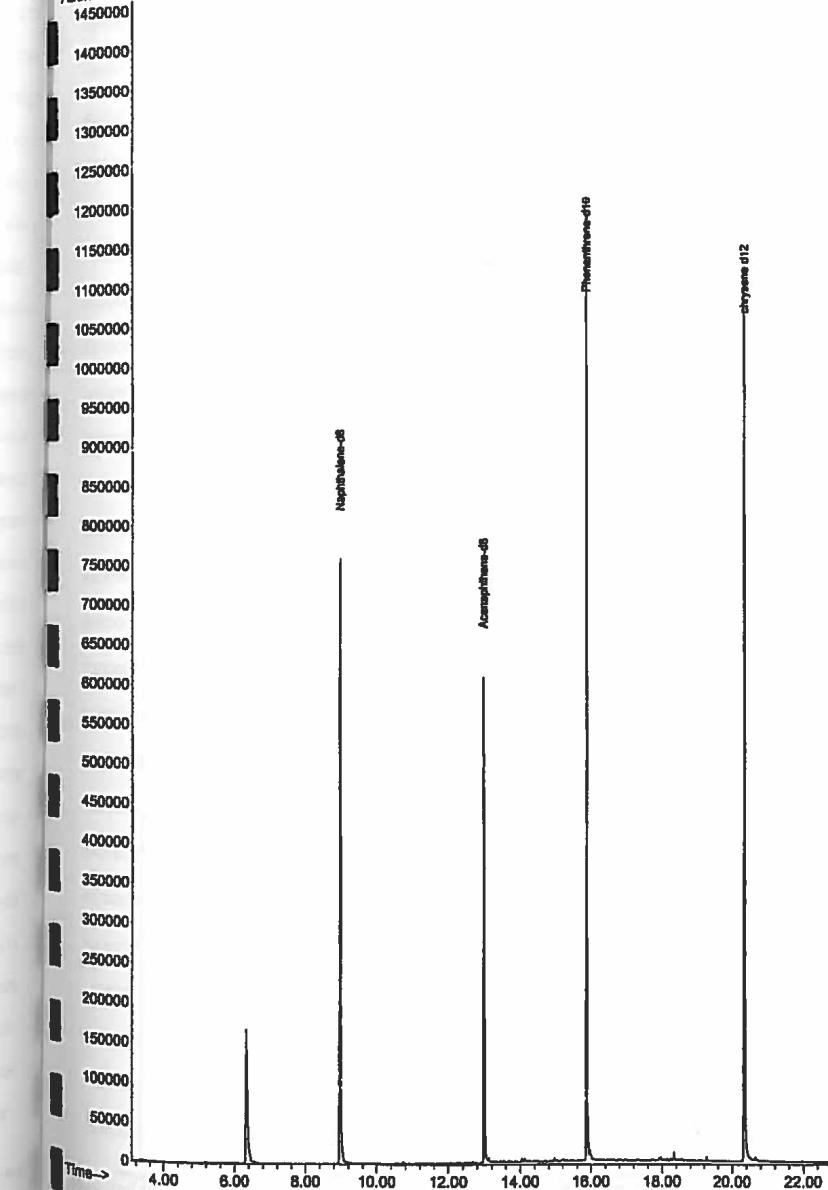
Data File : C:\MSDCHEM\1\DATA\0103\PAH0145.D Vial: 38
 Acq On : 10 Jan 2003 2:03 Operator: Mathilde Ernoult
 Sample : DUB-02-B02182-50048 WS14 0.5-1.0 Inst : GCMS1
 Misc : Irish Geotechnical Services Ltd/Leachate Multiplr: 0.01
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 10 11:30 2003

Quant Results File: DPAH19.RES

Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)
 Title : 19 PAH Analysis
 Last Update : Tue Jan 07 12:15:03 2003
 Response via : Initial Calibration

Abundance



PAH0145.D

DPAH19.M

Fri Jan 10 11:30:31 2003

Page 2

Data File : C:\MSDCHEM\1\DATA\0103\PAH0149.D
 Acq On : 10 Jan 2003 4:39
 Sample : DUB-02-B02182-S0055 WS16 1.5-2.0
 Misc : Irish Geotechnical Services/Leachate

Vial: 42
 Operator: Mathilde Ernoult
 Inst : GCMS1
 Multiplr: 0.01
 Sample Amount: 0.00

MS Integration Params: AUTOINT1.E
 Quant Time: Jan 10 11:37 2003

Quant Results File: DPAH19.RES

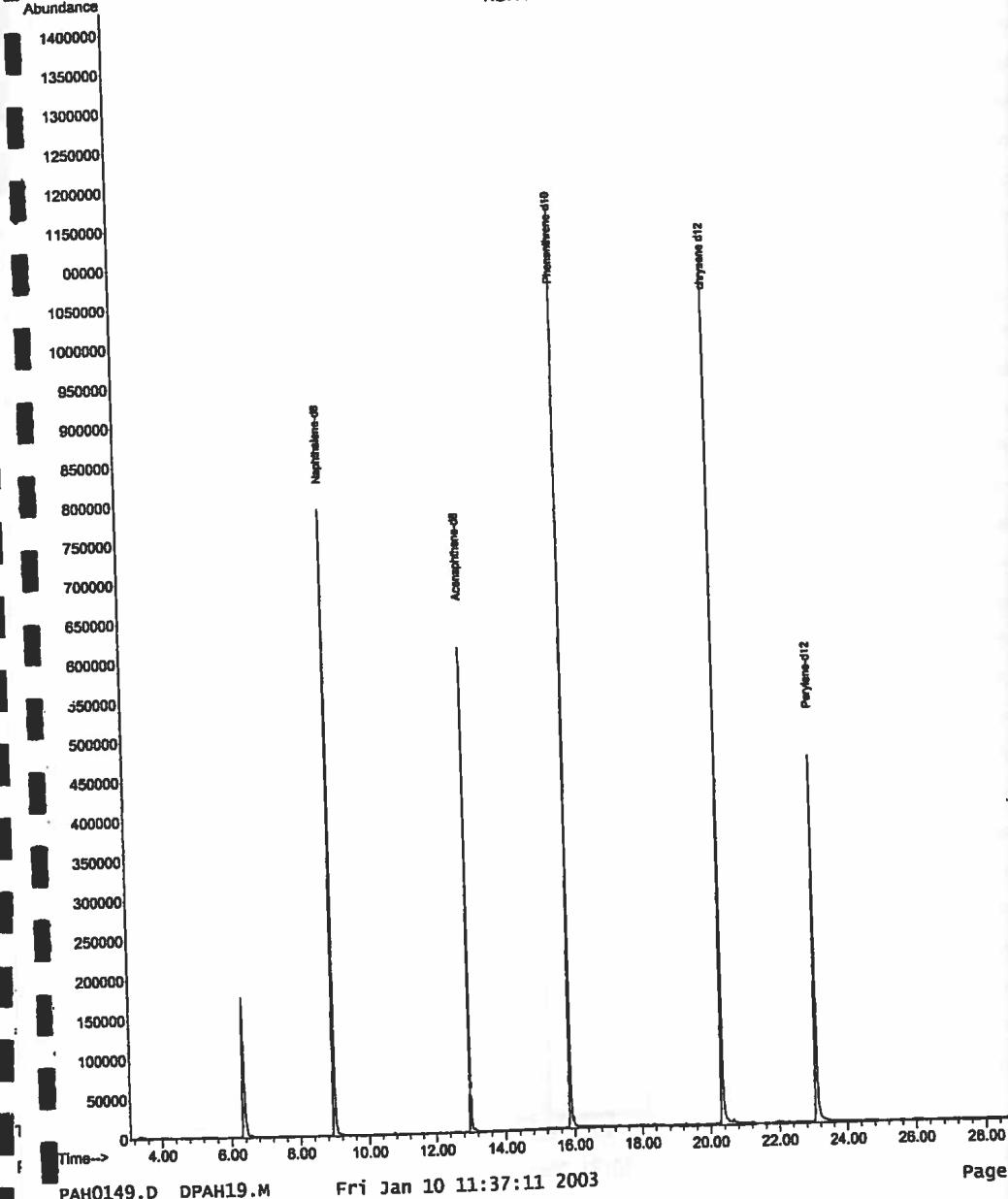
Method : C:\MSDCHEM\1\METHODS\DPAH19.M (Chemstation Integrator)

Title : 19 PAH Analysis

Last Update : Fri Jan 10 11:35:22 2003

Response via : Initial Calibration

TIC: PAH0149.D



Data File : C:\MSDCHEM\1\DATA\060103\VOC014.D

Acq On : 6 Jan 2003 23:07

Sample : B02182-S0006 BH1 3.5m

Misc : Irish Geotechnical Services Ltd/Soil

Vial: 14

Operator: Mathilde

Inst : Instrumen

Multiplr: 2.00

Sample Amount: 0.00

MS Integration Params: EVENTS.E

Quant Time: Jan 8 9:33 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)

Title : Volatile Organic Compounds (EPA 624/8260)

Last Update : Tue Jan 07 14:45:55 2003

Response via : Initial Calibration

Abundance

5000000

4800000

4600000

4400000

4200000

4000000

3800000

3600000

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

Time--> 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00 19.00 20.00 21.00 22.00 23.00

VOC014.D HS_VOC1.M Wed Jan 08 09:34:03 2003

TIC: VOC014.D

Quantitation Report

Data File : C:\MSDCHEM\1\DATA\060103\VOC016.D
 Acq On : 7 Jan 2003 00:18
 Sample : B02182-S0007 WS1 0.5m
 Misc : Irish Geotechnical Services Ltd/Soil

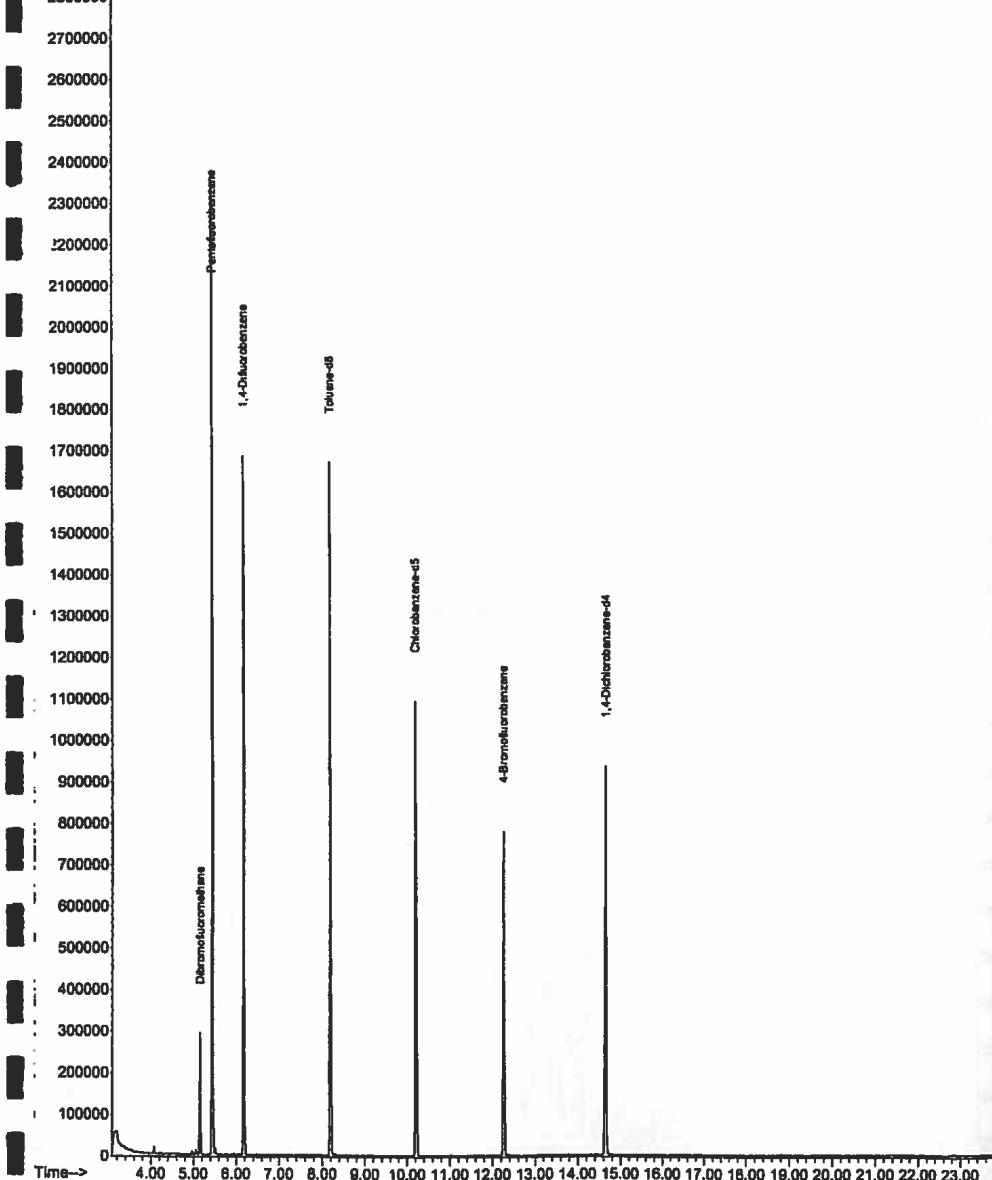
vial: 16
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:37 2003
 Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance

TIC: VOC016.D



Data File : C:\MSDCHEM\1\DATA\060103\VOC017.D
 Acq On : 7 Jan 2003 00:53
 Sample : B02182-S0009 WS1 2.5m
 Misc : Irish Geotechnical Services Ltd/Soil

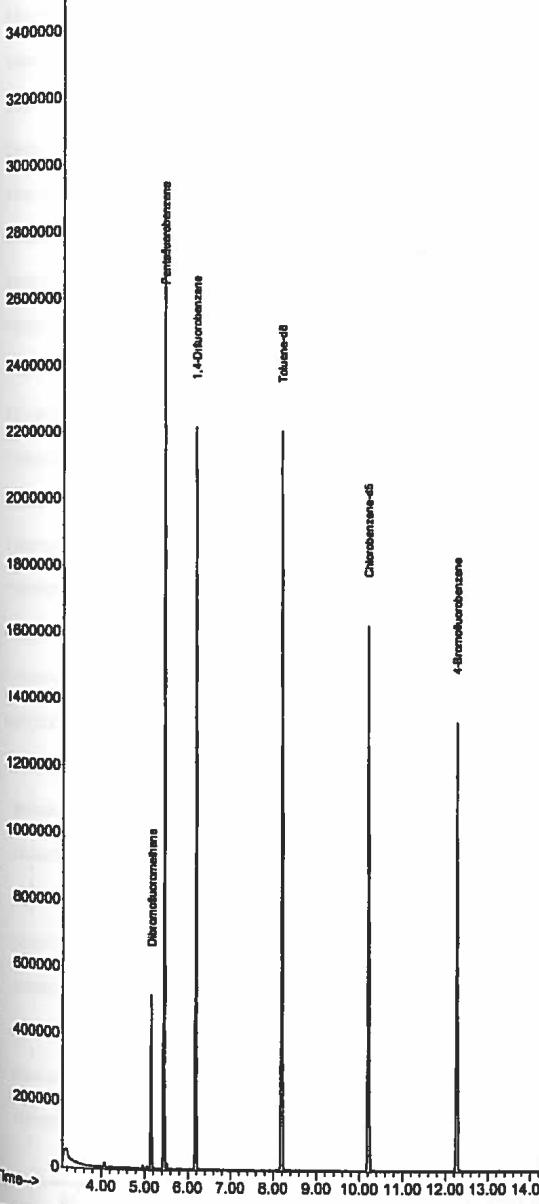
vial: 17
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

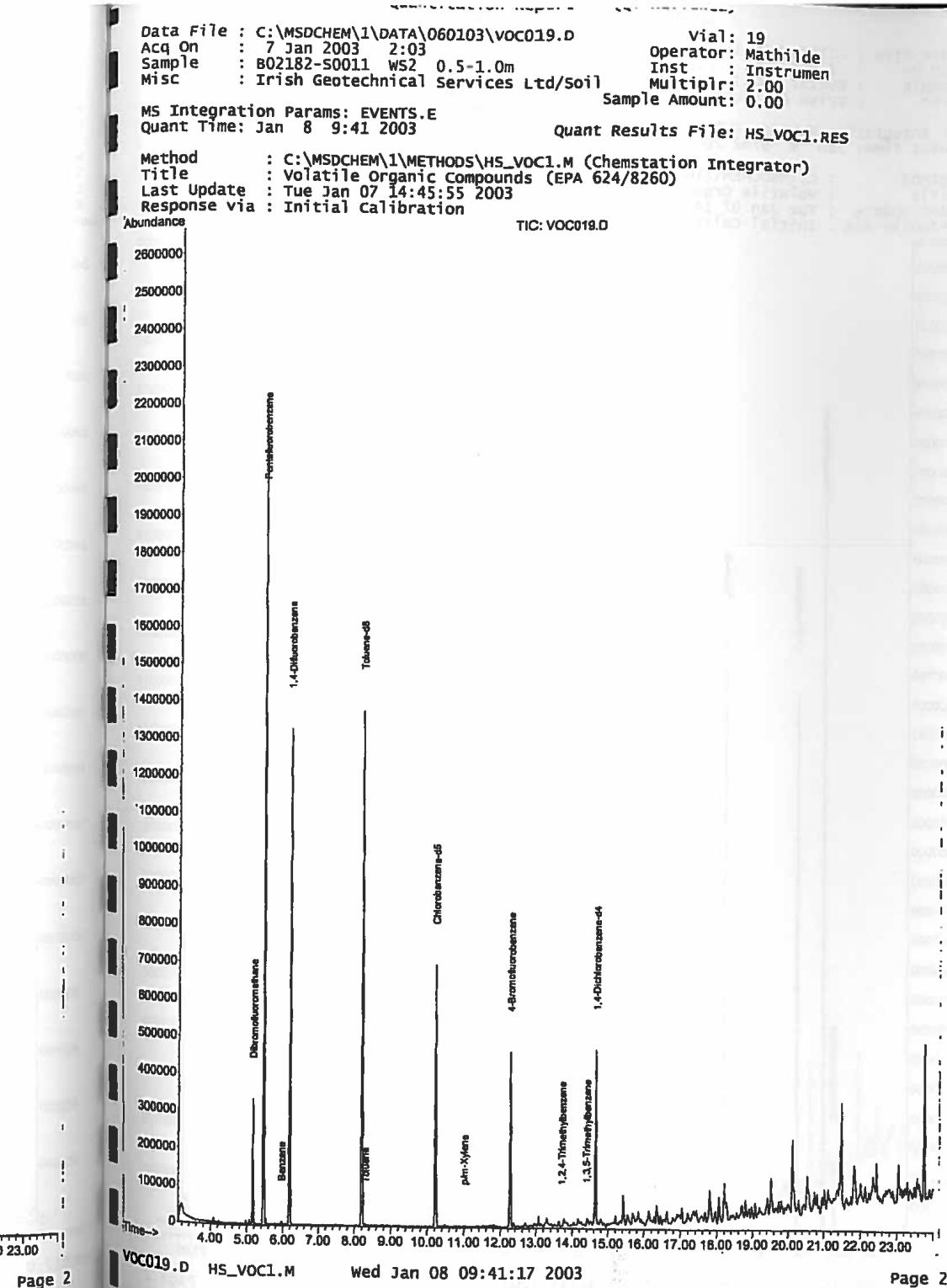
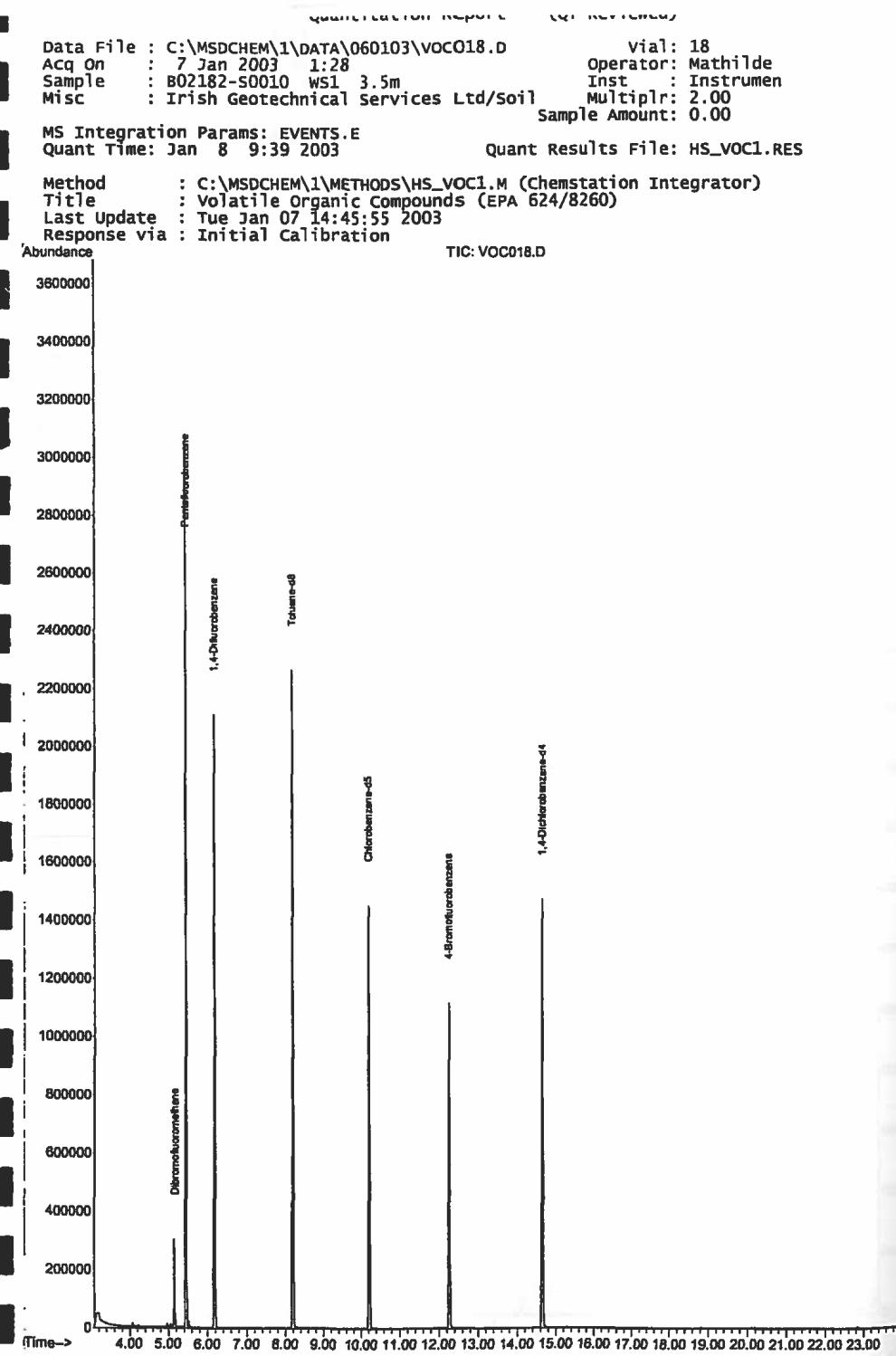
MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:38 2003
 Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance

TIC: VOC017.D





Data File : C:\MSDCHEM\1\DATA\060103\VOC020.D
 Acq On : 7 Jan 2003 2:39
 Sample : B02182-S0013 WS2 1.5-2.0m
 Misc : Irish Geotechnical Services Ltd/Soil

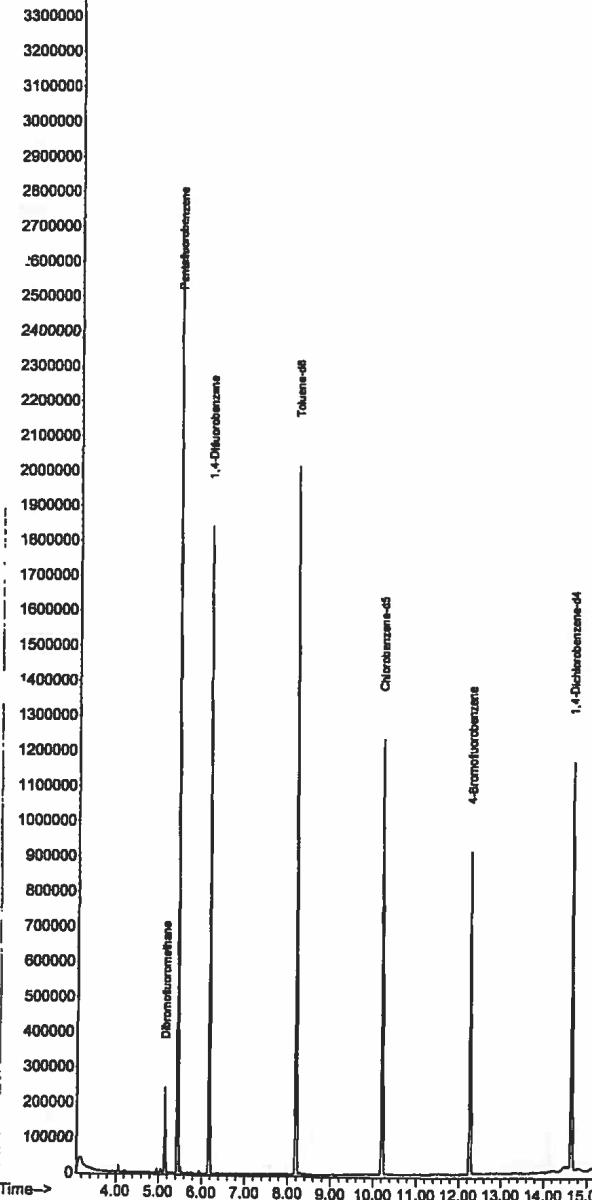
vial: 20
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:42 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

'Abundance



Data File : C:\MSDCHEM\1\DATA\060103\VOC021.D
 Acq On : 7 Jan 2003 3:14
 Sample : B02182-S0015 WS2 4.0m
 Misc : Irish Geotechnical Services Ltd/Soil

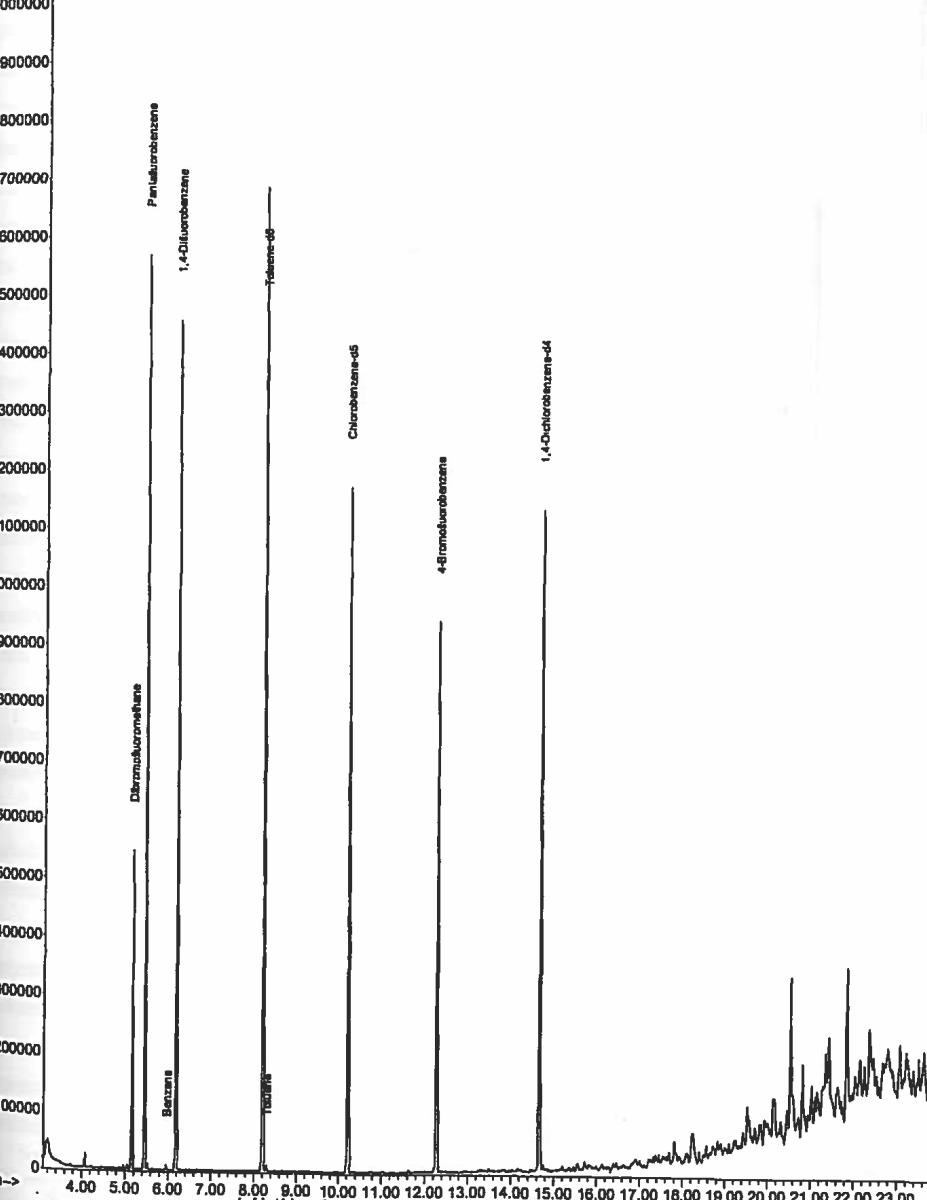
vial: 21
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:43 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

'Abundance



Data File : C:\MSDCHEM\1\DATA\060103\VOC022.D
 Acq On : 7 Jan 2003 3:49
 Sample : B02182-S0016 WS3 0.5m
 Misc : Irish Geotechnical Services Ltd/Soil

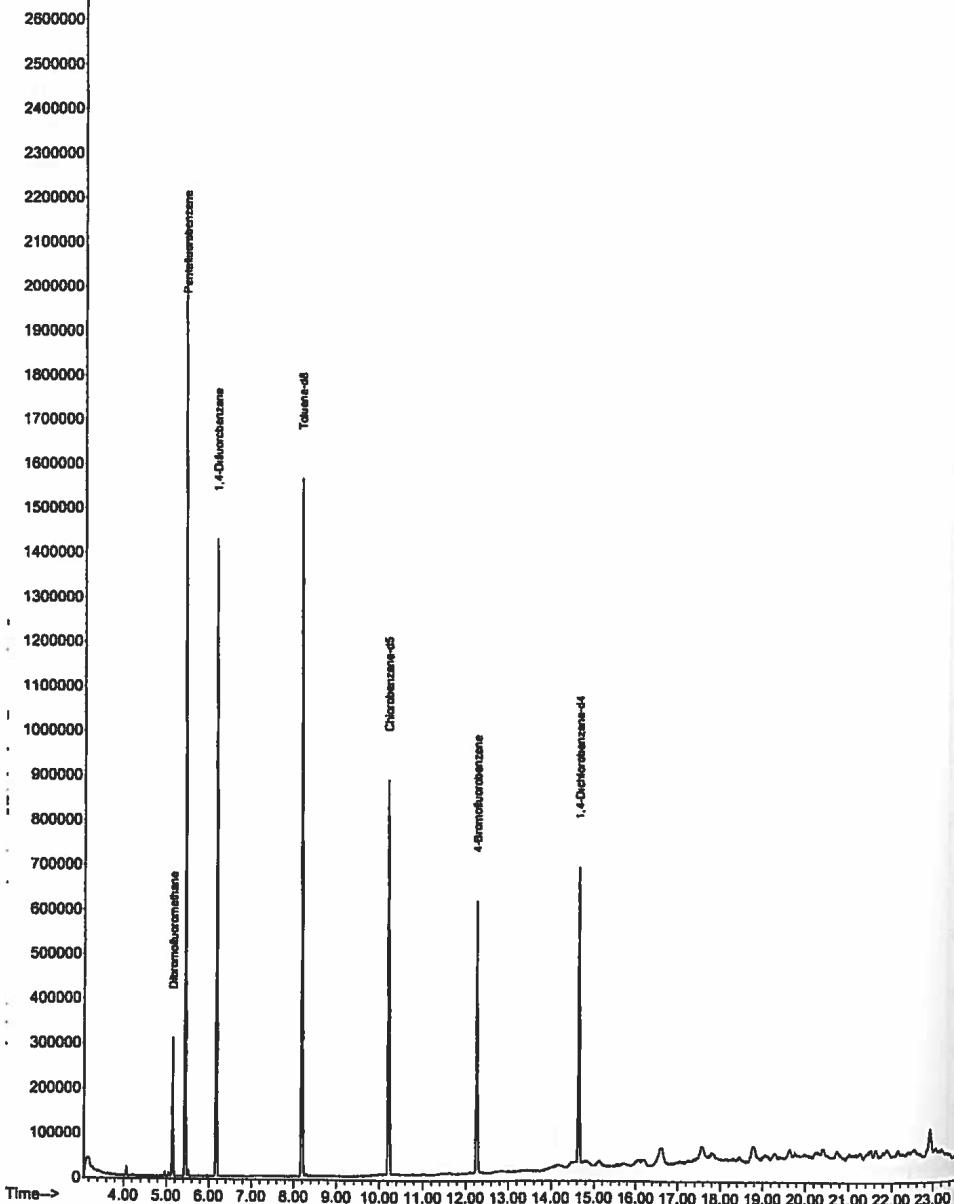
vial: 22
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:45 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\060103\VOC023.D
 Acq On : 7 Jan 2003 4:24
 Sample : B02182-S0019 WS4 1.5-2.0m
 Misc : Irish Geotechnical Services Ltd/soil

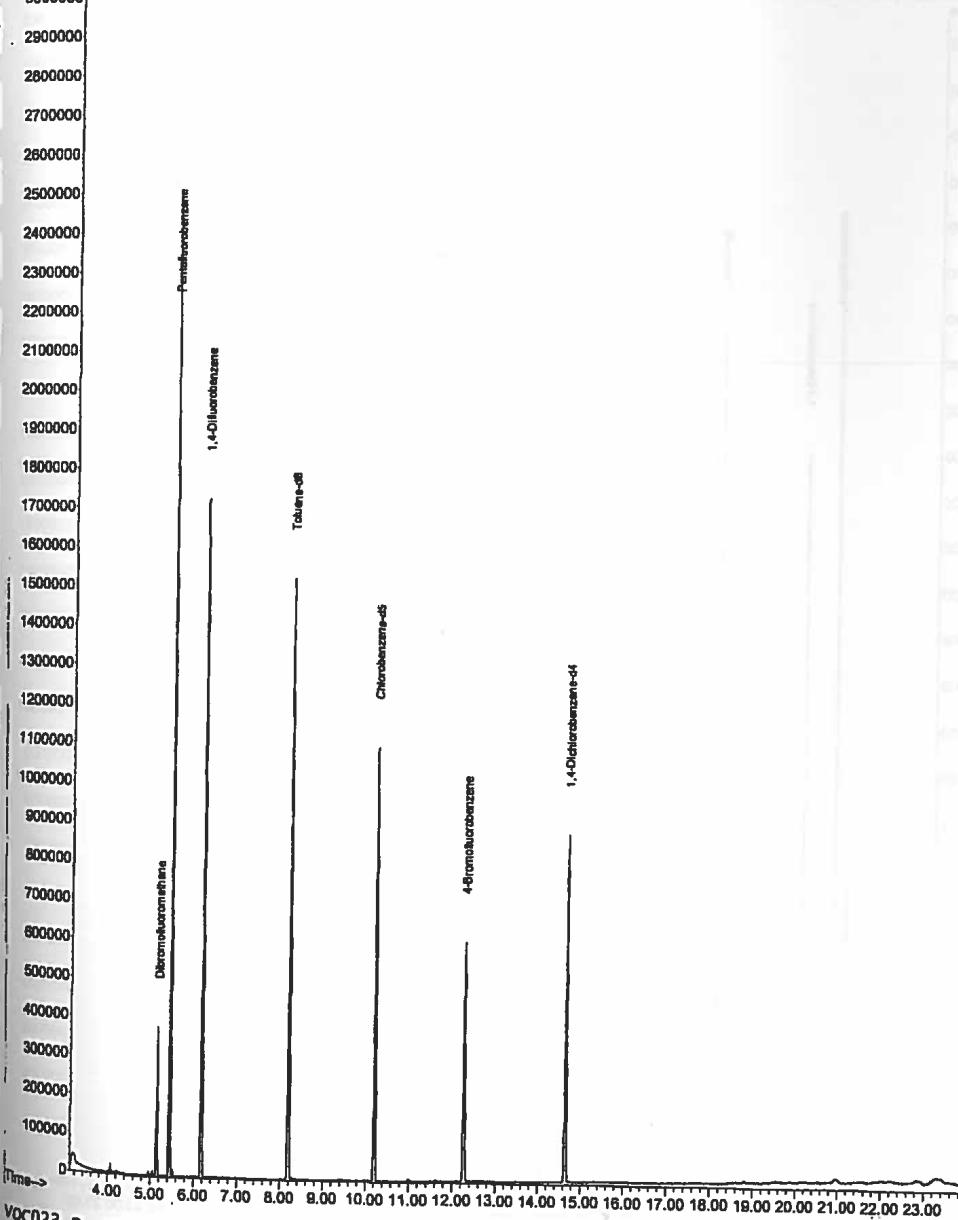
vial: 23
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:46 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\060103\voc031.D
 Acq On : 7 Jan 2003 9:06
 Sample : 802182-S0023 WS5 2.0m
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 31
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

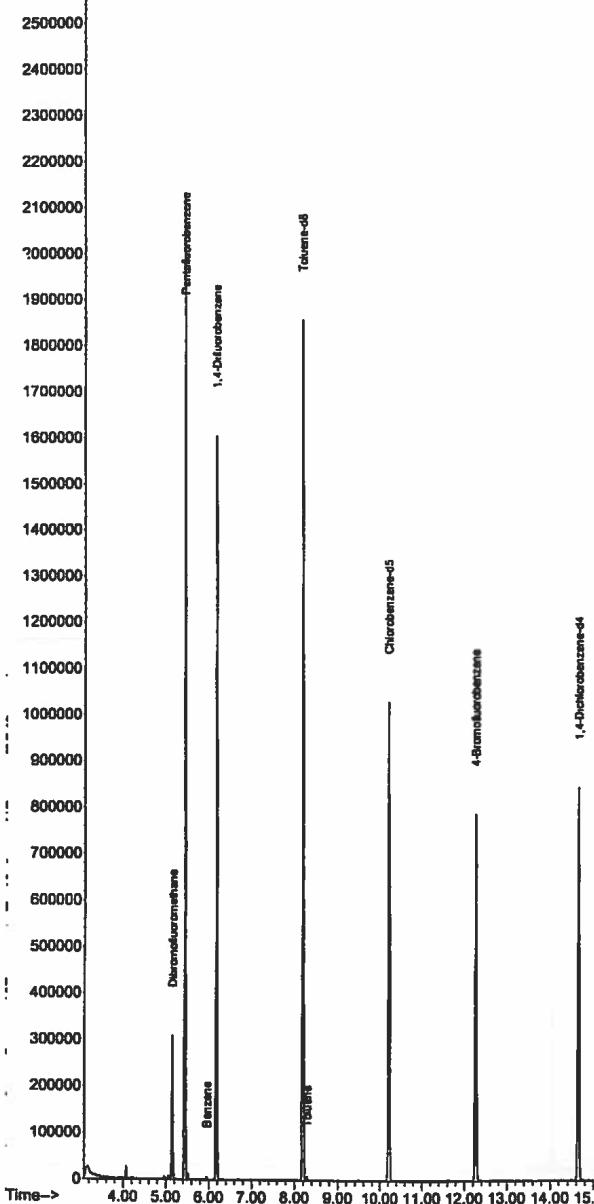
MS Integration Params: EVENTS.E
Quant Time: Jan 8 9:56 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance

TIC: VOC031.D



Data File : C:\MSDCHEM\1\DATA\060103\voc025.D
 Acq On : 7 Jan 2003 5:35
 Sample : 802182-S0025 WS5 2.5-5.0m
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 25
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

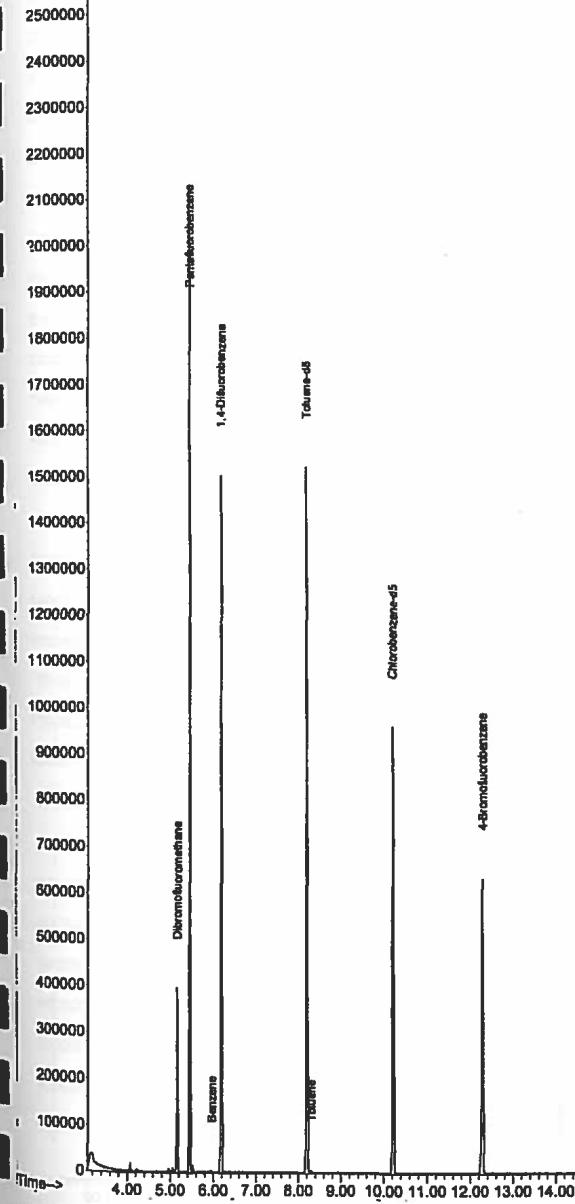
MS Integration Params: EVENTS.E
Quant Time: Jan 8 9:48 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance

TIC: VOC025.D



Data File : C:\MSDCHEM\1\DATA\060103\VOC030.D
 Acq On : 7 Jan 2003 8:31
 Sample : B02182-S0028 WS7 1.0-1.5m
 Misc : Irish Geotechnical Services Ltd/Soil

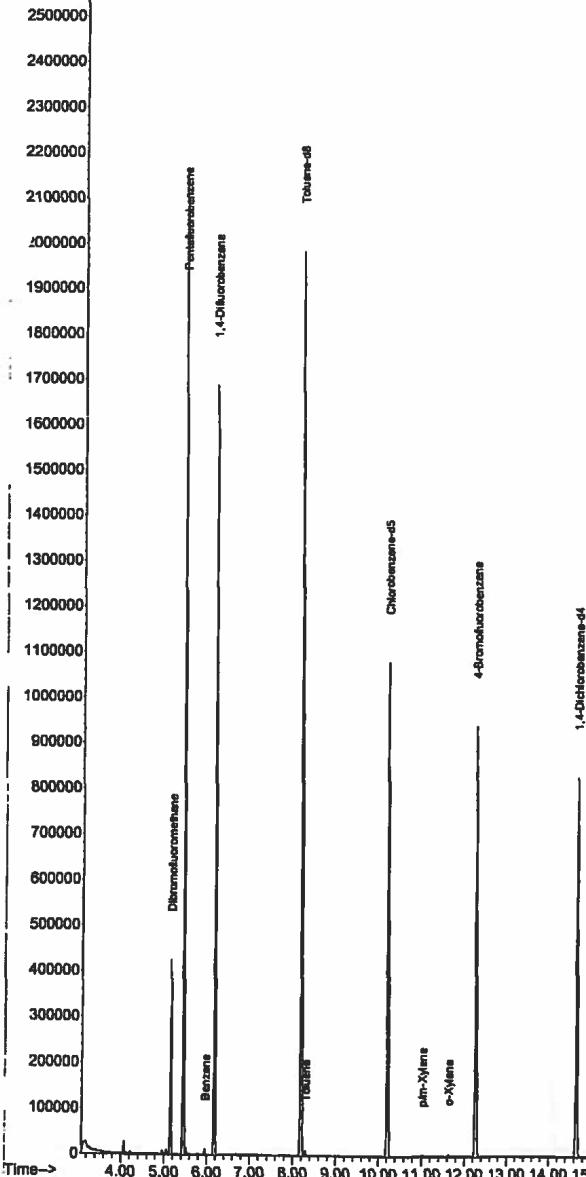
vial: 30
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
Quant Time: Jan 8 9:54 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\060103\VOC027.D
 Acq On : 7 Jan 2003 6:45
 Sample : B02182-S0032 WS10 0.5-1.0m
 Misc : Irish Geotechnical services Ltd/soil

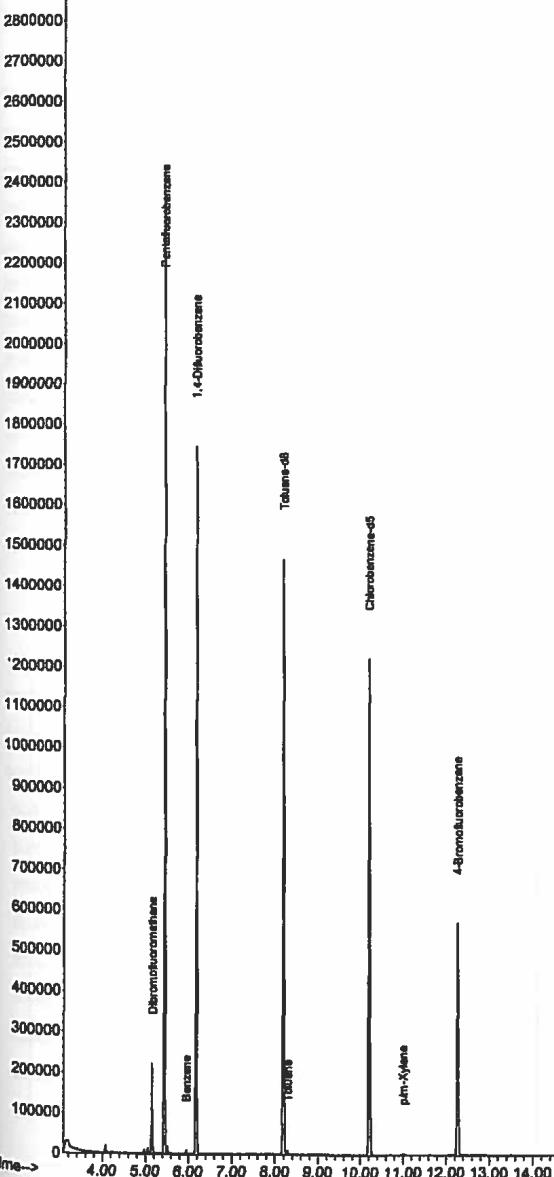
vial: 27
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
Quant Time: Jan 8 9:51 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\060103\VOC034.D
 Acq On : 7 Jan 2003 10:52
 Sample : B02182-S0038 WS11 3.5-4.0m
 Misc : Irish Geotechnical Services Ltd/Soil

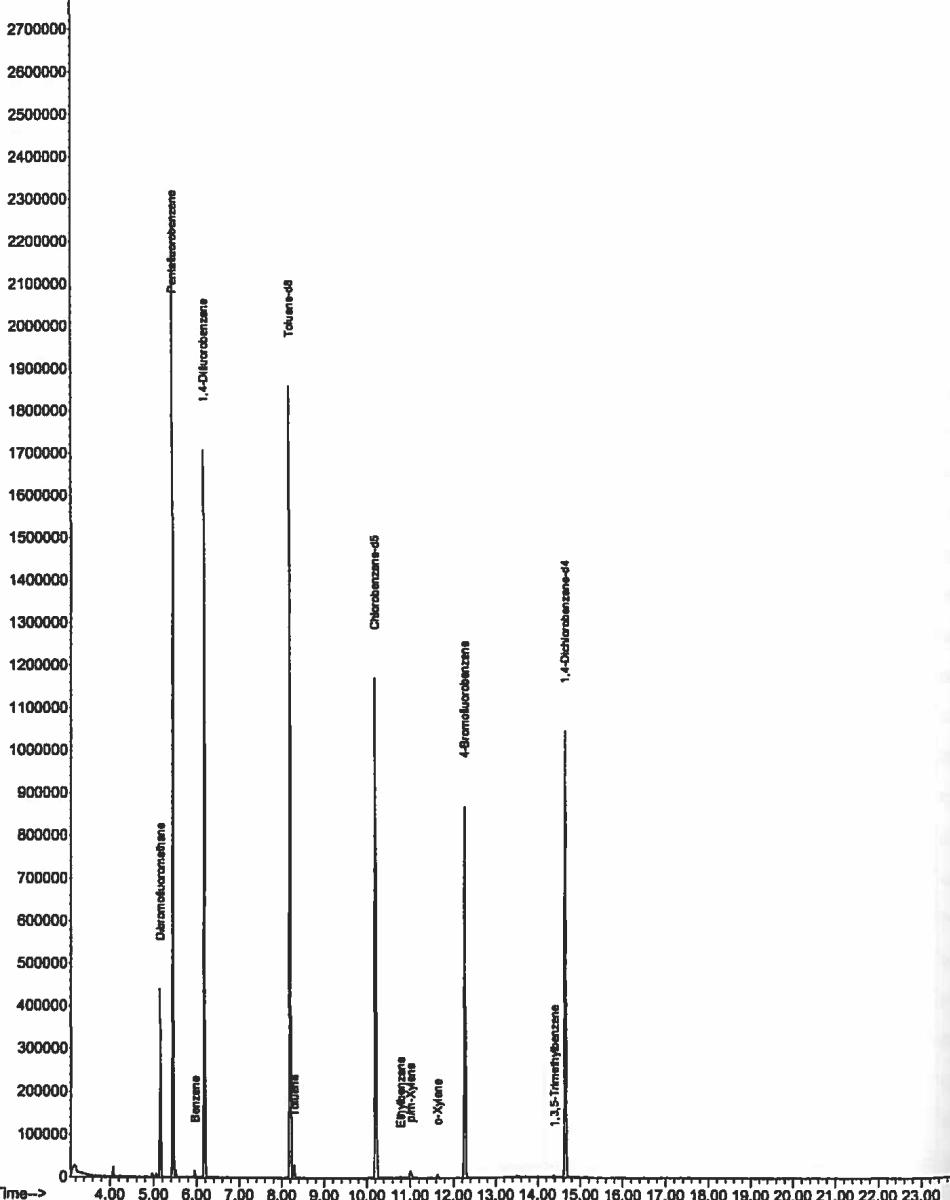
vial: 34
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 10:00 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\060103\VOC033.D
 Acq On : 7 Jan 2003 10:16
 Sample : B02182-S0044 WS13 0.5-1.0m
 Misc : Irish Geotechnical Services Ltd/soil

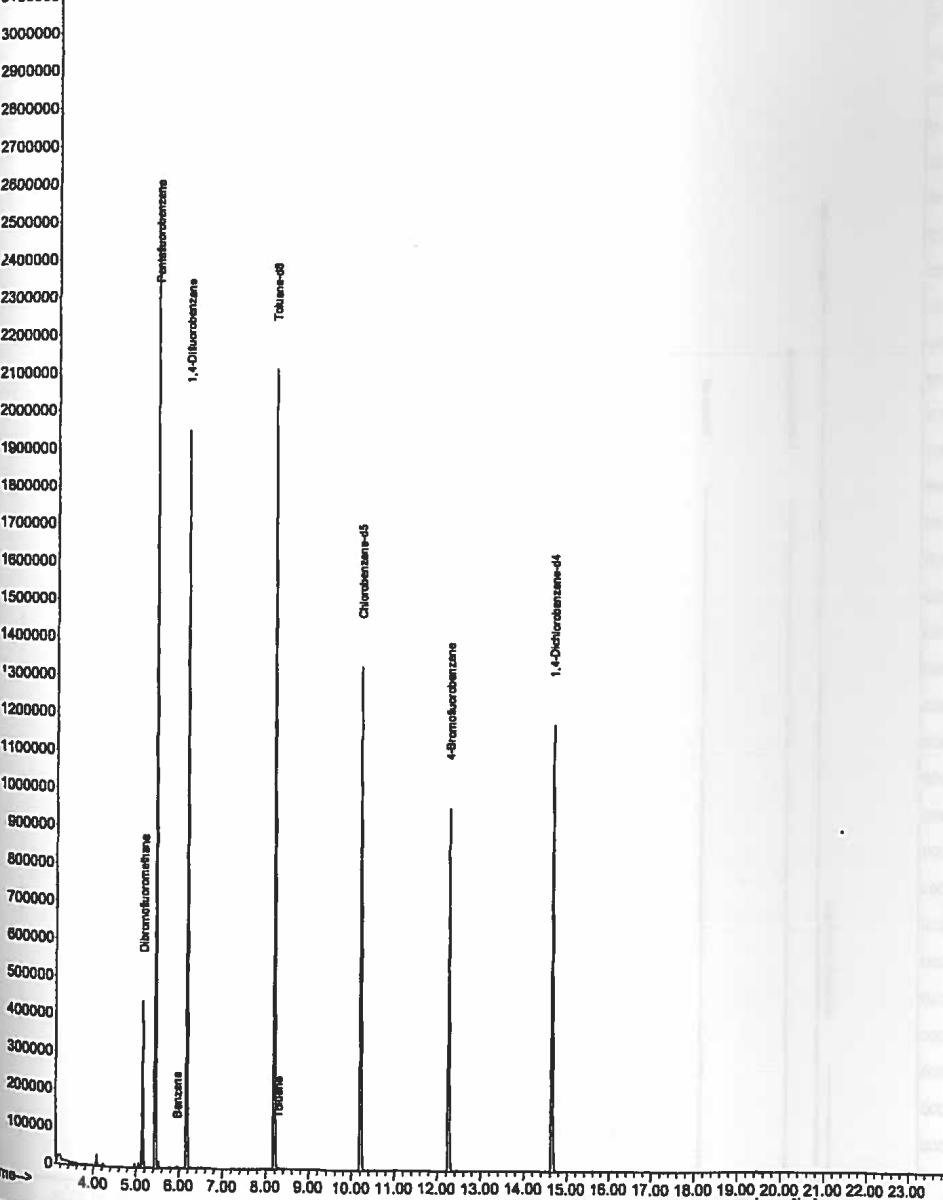
vial: 33
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:59 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



QUANTIFICATION REPORT

QC REVIEWED

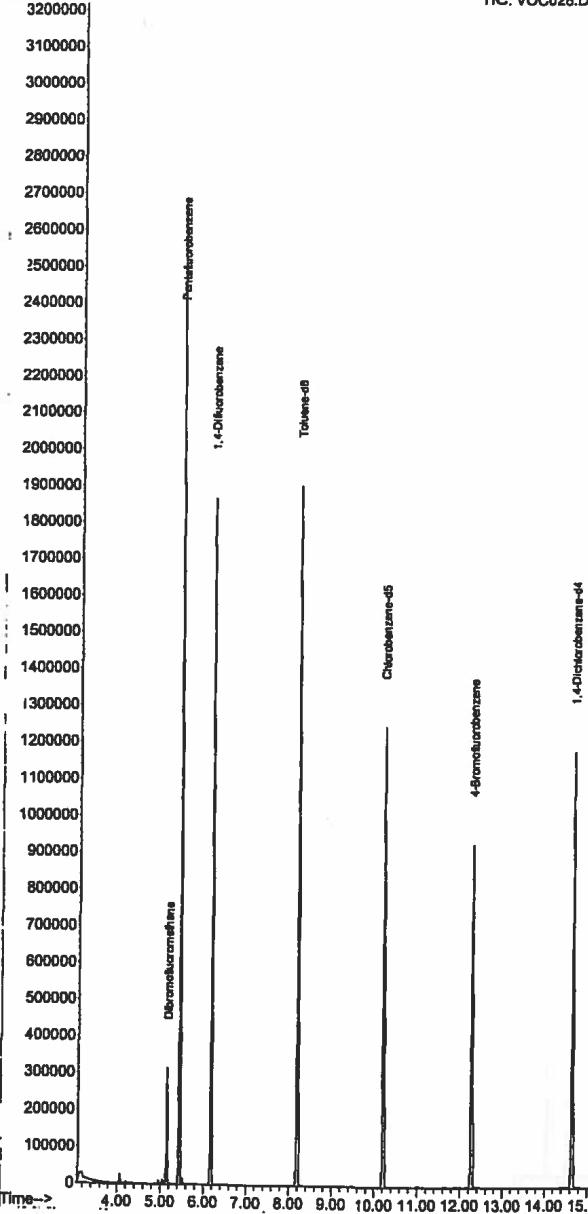
Data File : C:\MSDCHEM\1\DATA\060103\VOC028.D vial: 28
Acq On : 7 Jan 2003 7:20 Operator: Mathilde
Sample : B02182-S0049 WS14 0.5-1.0m Inst : Instrumen
Misc : Irish Geotechnical services Ltd/soil Multiplr: 2.00
Sample Amount: 0.00

MS Integration Params: EVENTS.E
Quant Time: Jan 8 9:52 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
Title : Volatile Organic Compounds (EPA 624/8260)
Last Update : Tue Jan 07 14:45:55 2003
Response via : Initial Calibration

Abundance



VOC028.D HS_VOC1.M

Wed Jan 08 09:53:06 2003

Page 2

QUANTIFICATION REPORT

QC REVIEWED

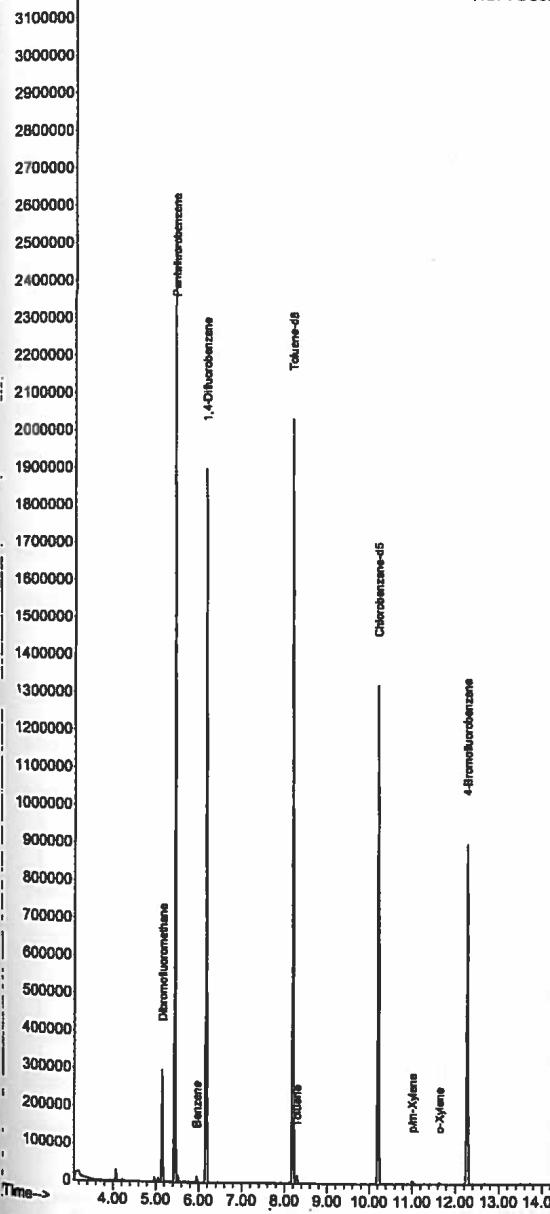
Data File : C:\MSDCHEM\1\DATA\060103\VOC032.D vial: 32
Acq On : 7 Jan 2003 9:41 Operator: Mathilde
Sample : B02182-S0051 WS15 0.5-1.0m Inst : Instrumen
Misc : Irish Geotechnical services Ltd/soil Multiplr: 2.00
Sample Amount: 0.00

MS Integration Params: EVENTS.E
Quant Time: Jan 8 9:57 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
Title : Volatile Organic Compounds (EPA 624/8260)
Last Update : Tue Jan 07 14:45:55 2003
Response via : Initial Calibration

Abundance



VOC032.D HS_VOC1.M

Wed Jan 08 09:58:12 2003

Page 2

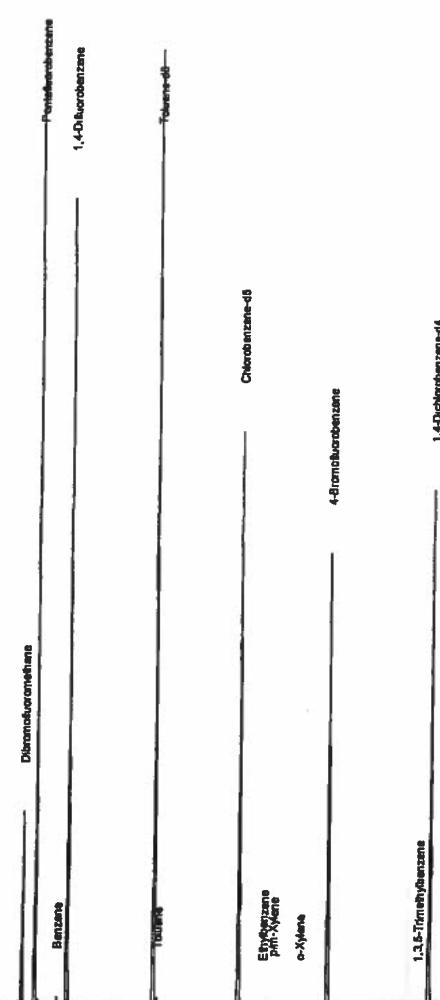
Data File : C:\MSDCHEM\1\DATA\060103\VOC026.D Vial: 26
 Acq On : 7 Jan 2003 6:10 Operator: Mathilde
 Sample : B02182-S0054 WS16 0.5-1.0m Inst : Instrumen
 Misc : Irish Geotechnical Services Ltd/soil Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:50 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



VOC026.D HS_VOC1.M

Wed Jan 08 09:50:34 2003

Page 2

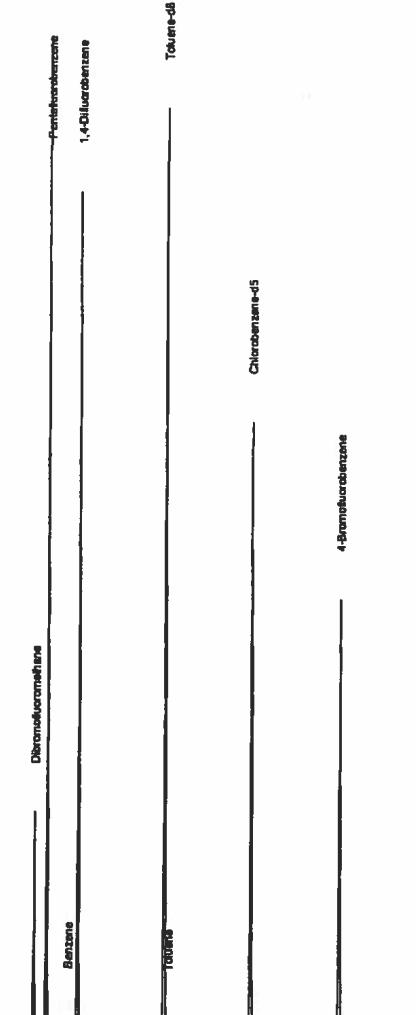
Data File : C:\MSDCHEM\1\DATA\060103\VOC024.D Vial: 24
 Acq On : 7 Jan 2003 4:59 Operator: Mathilde
 Sample : B02182-S0057 WS8 1.5-2.0m Inst : Instrumen
 Misc : Irish Geotechnical Services Ltd/soil Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:47 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance



VOC024.D HS_VOC1.M

Wed Jan 08 09:47:56 2003

Page 2

Data File : C:\MSDCHEM\1\DATA\020103\VOC008.D
 Acq On : 2 Jan 2003 19:37
 Sample : Spiked Blank
 Misc : Spiked Blank/Water

MS Integration Params: EVENTS.E
 Quant Time: Jan 7 14:49 2003

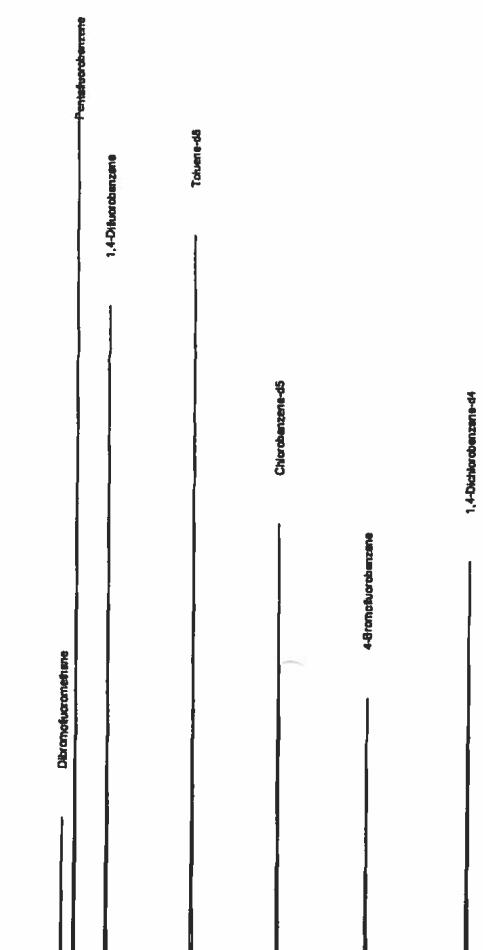
vial: 8
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 1.00
 Sample Amount: 0.00

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance

TIC: VOC008.D



Data File : C:\MSDCHEM\1\DATA\020103\VOC005.D
 Acq On : 2 Jan 2003 17:51
 Sample : 500ppb VOC
 Misc : Calibration Std/Water

MS Integration Params: EVENTS.E
 Quant Time: Jan 7 14:47 2003

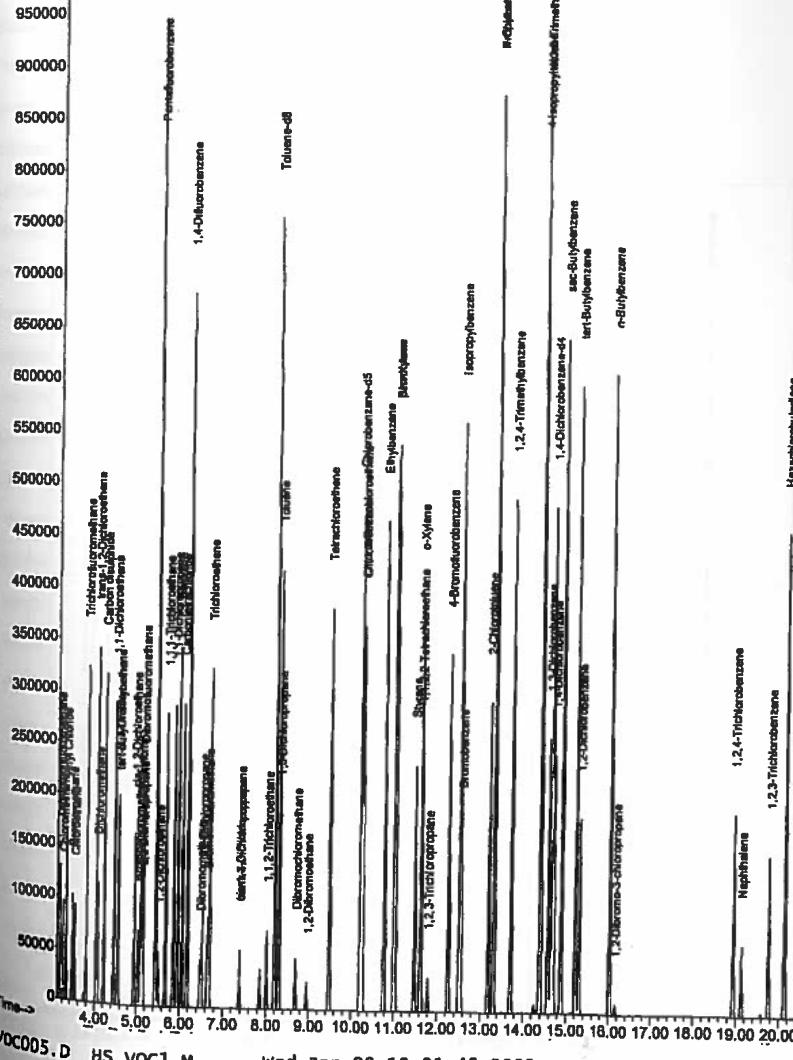
vial: 5
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 1.00
 Sample Amount: 0.00

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Tue Jan 07 14:45:55 2003
 Response via : Initial Calibration

Abundance

TIC: VOC005.D



Data File : C:\MSDCHEM\1\DATA\060103\VOC025.D
 Acq On : 7 Jan 2003 5:35
 Sample : B02182-S0025 WS5 4.5-5.0m
 Misc : Irish Geotechnical Services Ltd/Soil

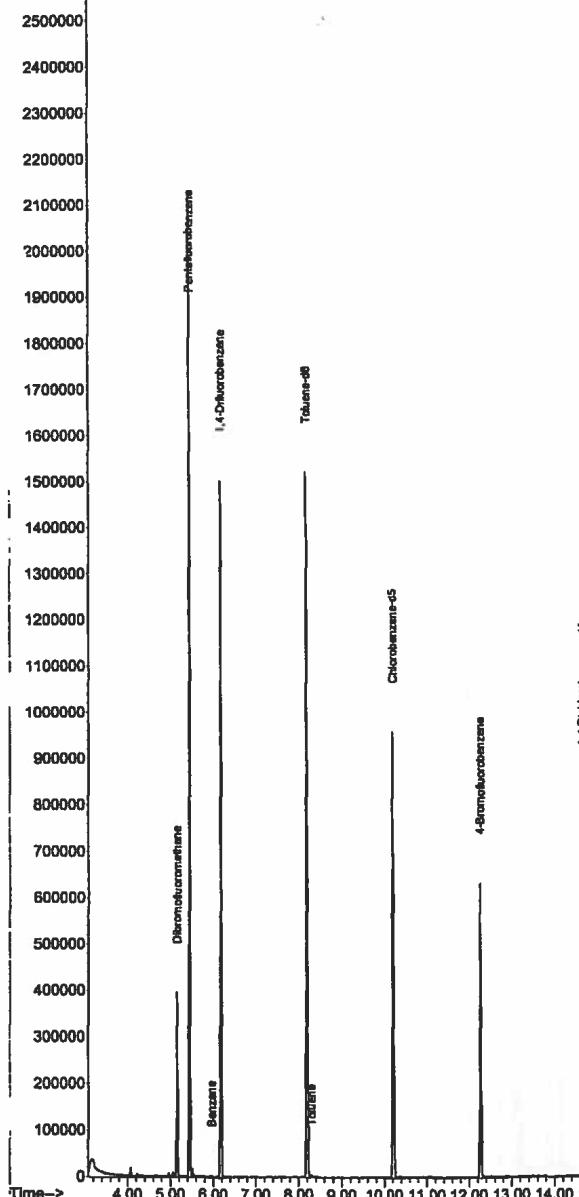
vial: 25
 Operator: Mathilde
 Inst : Instrumen
 Multiplr: 2.00
 Sample Amount: 0.00

MS Integration Params: EVENTS.E
 Quant Time: Jan 8 9:48 2003

Quant Results File: HS_VOC1.RES

Method : C:\MSDCHEM\1\METHODS\HS_VOC1.M (Chemstation Integrator)
 Title : Volatile Organic Compounds (EPA 624/8260)
 Last Update : Fri Jan 10 13:09:19 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0203\SVOC016.D
 Acq On : 7 Jan 2003 1:26
 Sample : DUB-02 B02182 S0006 BH1 3.5
 Misc : Irish Geotechnical Services Ltd/Water

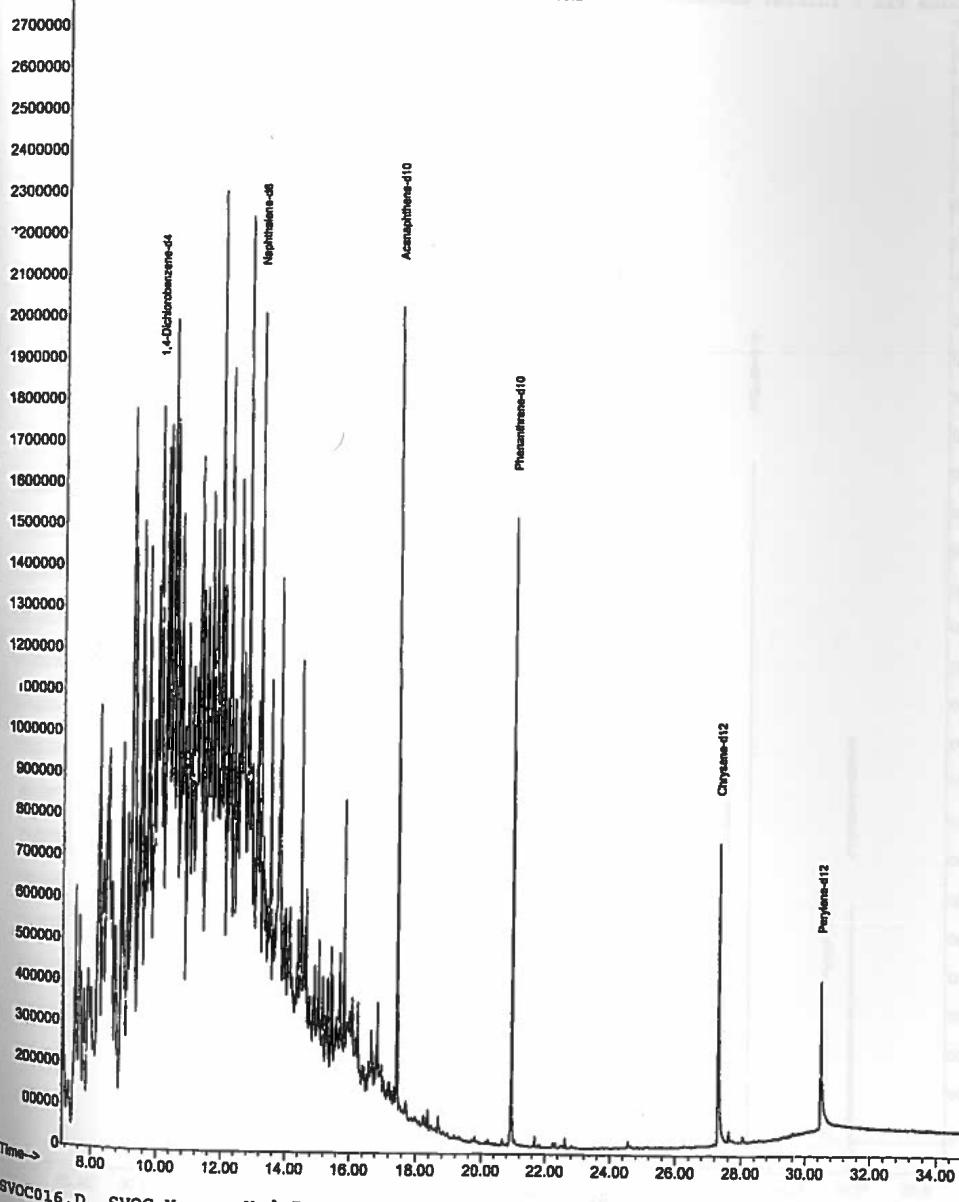
Vial: 14
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 0.01
 Sample Amount: 0.00

MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:35 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance



QUANTIFICATION REPORT

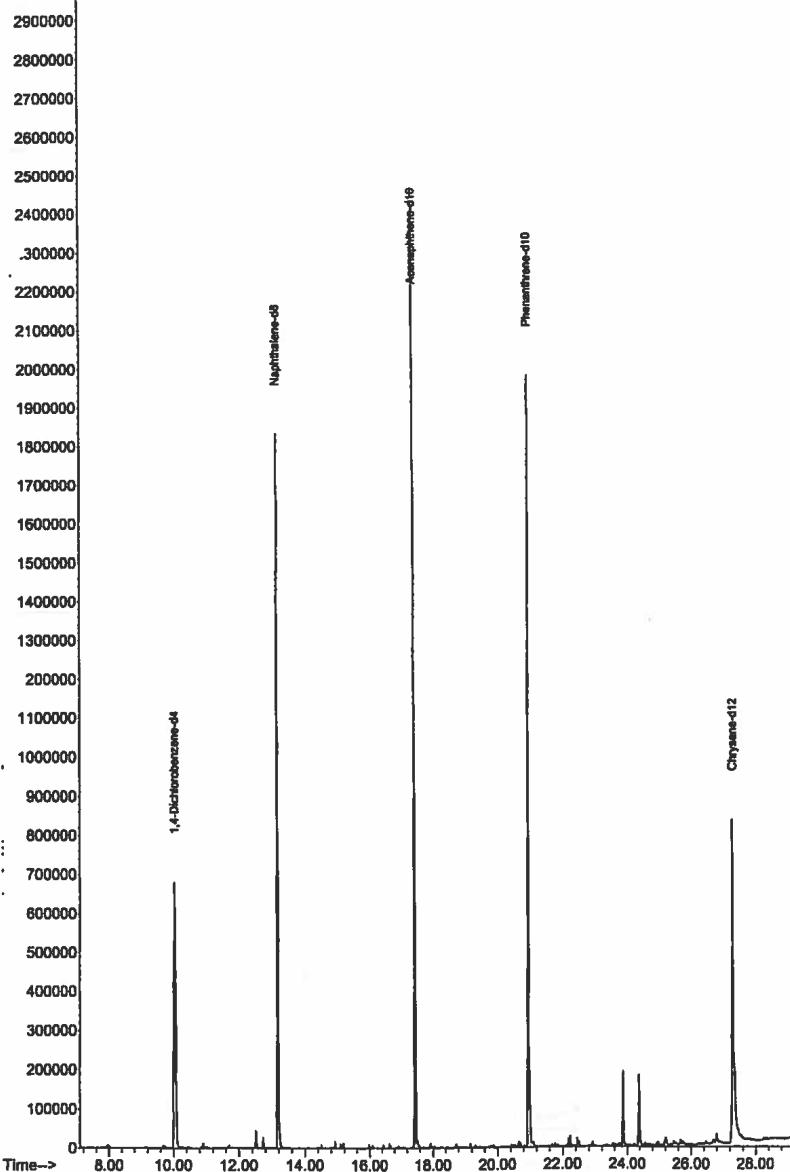
Data File : C:\MSDCHEM\1\DATA\0203\SVOC021.D Vial: 19
 Acq On : 7 Jan 2003 4:59 Operator: Mathilde Ernoult
 Sample : DUB 02 B02182 S0007 WS1 0.5 Inst : Instrumen
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.47
 Sample Amount: 0.00

MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:38 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance TIC: SVOC021.D



Data File : C:\MSDCHEM\1\DATA\0203\SVOC022.D

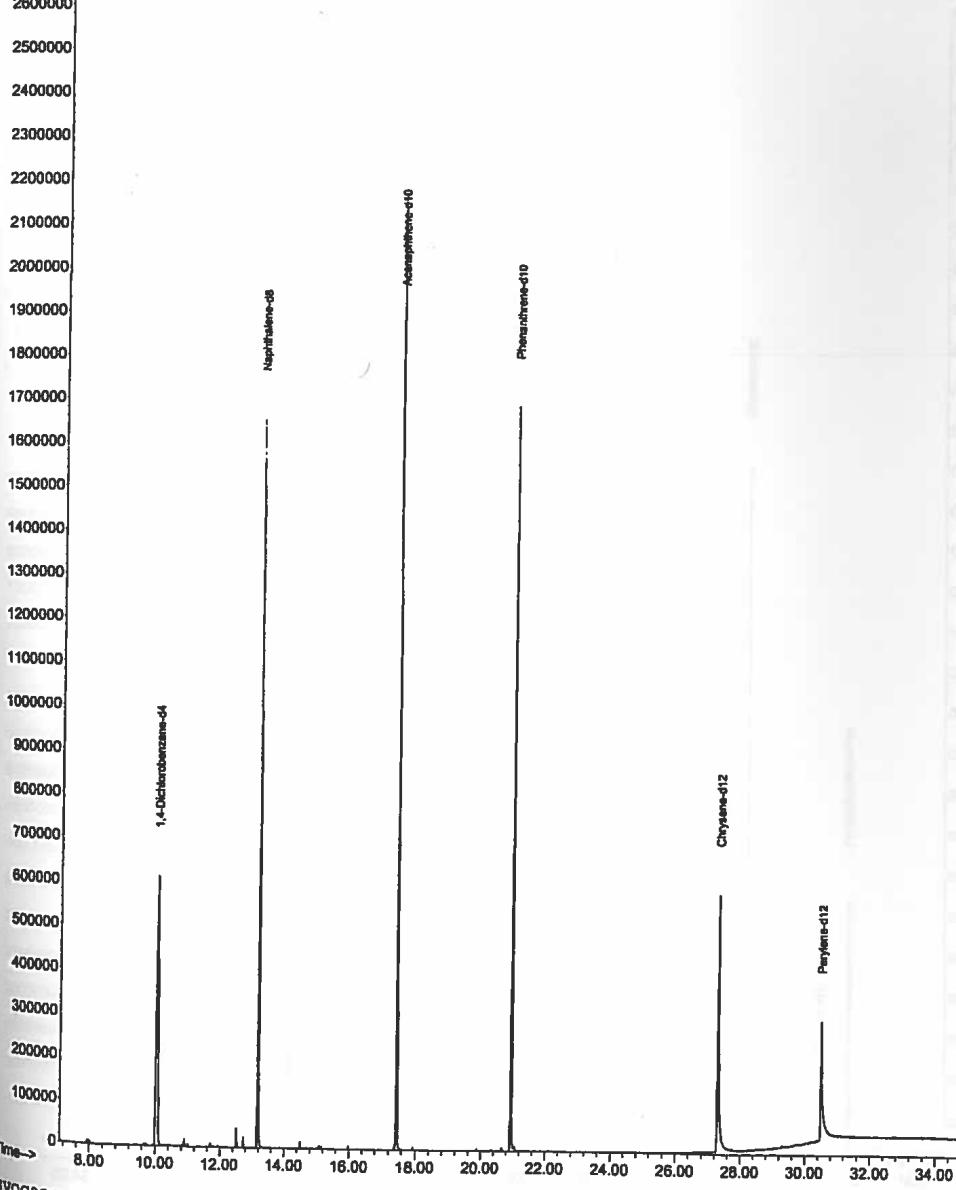
Vial: 20
 Operator: Mathilde Ernoult
 Sample : DUB 02 B02182 S0009 WS1 2.5 Inst : Instrumen
 Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.66
 Sample Amount: 0.00

MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:38 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance TIC: SVOC022.D



Data File : C:\MSDCHEM\1\DATA\0203\SVOC023.D
Acq On : 7 Jan 2003 6:25
Sample : DUB-02-B02182 S0010 WS1 3.5
Misc : Irish Geotechnical Services Ltd/Soil

Vial: 21
Operator: Mathilde Ernoult
Inst : Instrumen
Multiplrx: 1.41
Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:39 2003

Quant Results File: SVOC.RES

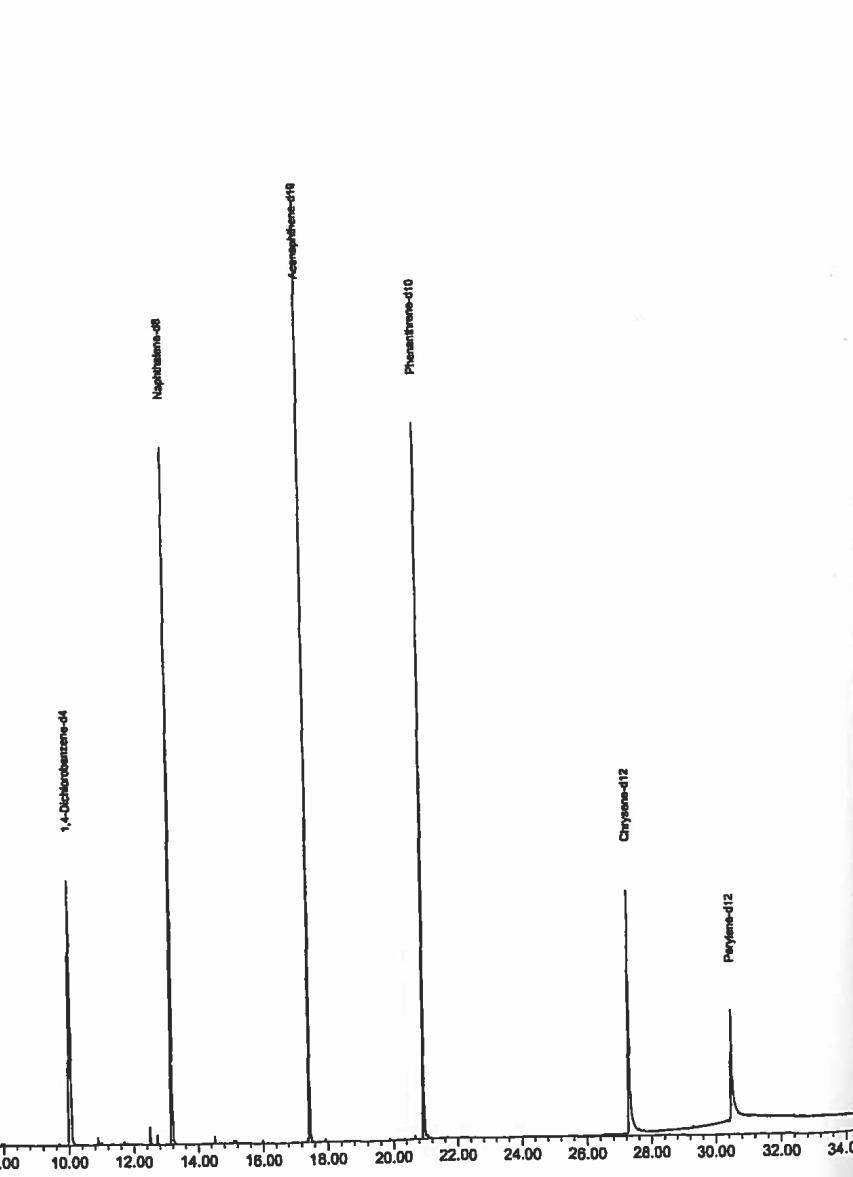
Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)

Title : Semivolatiles

Last Update : Tue Jan 07 16:03:50 2003

Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0203\SVOC024.D
Acq On : 7 Jan 2003 7:07
Sample : DUB 02 B02182 S0011 WS2 0.5 1.0
Misc : Irish Geotechnical Services Ltd/Soil

Vial: 23
Operator: Mathilde Ernoult
Inst : Instrumen
Multiplrx: 1.58
Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:40 2003

Quant Results File: SVOC.RES

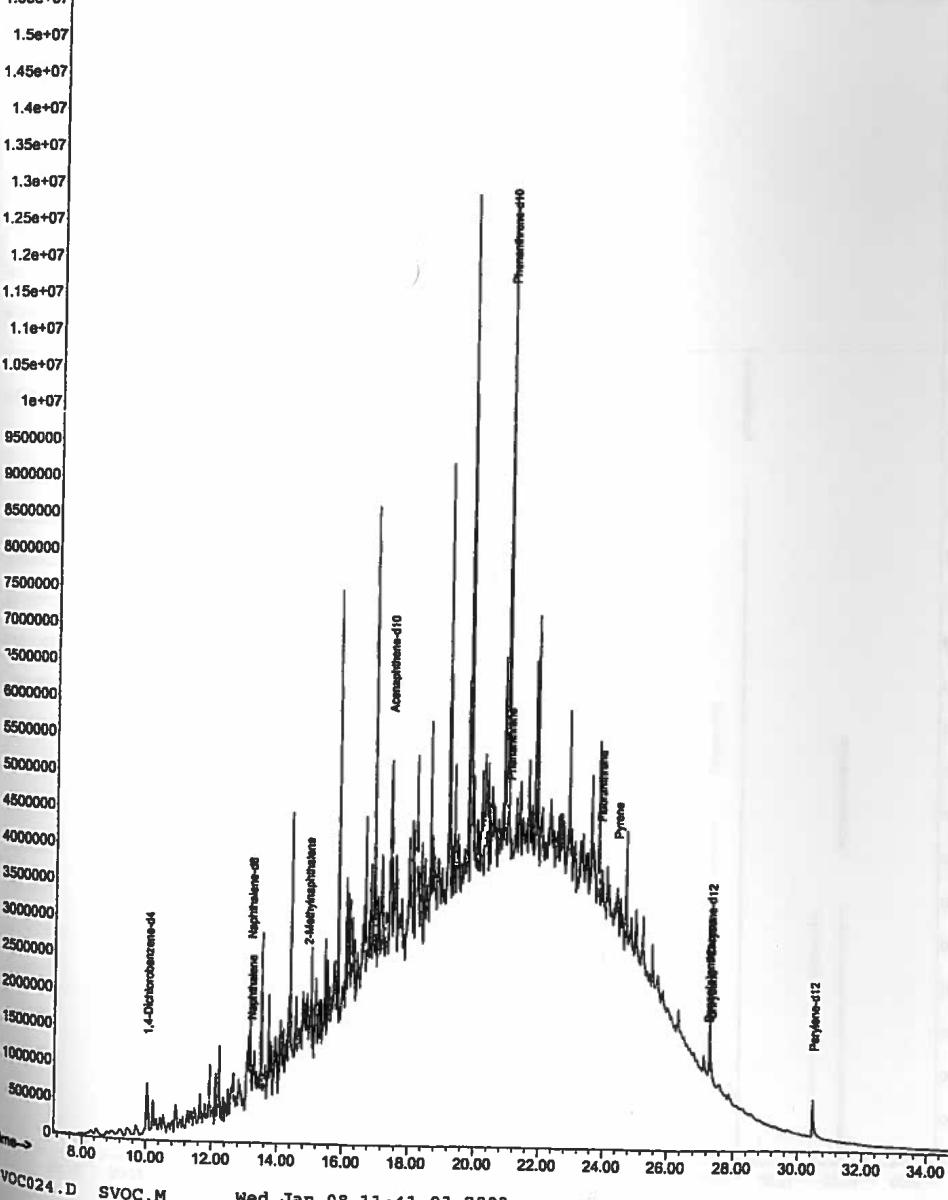
Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)

Title : Semivolatiles

Last Update : Tue Jan 07 16:03:50 2003

Response via : Initial Calibration

Abundance



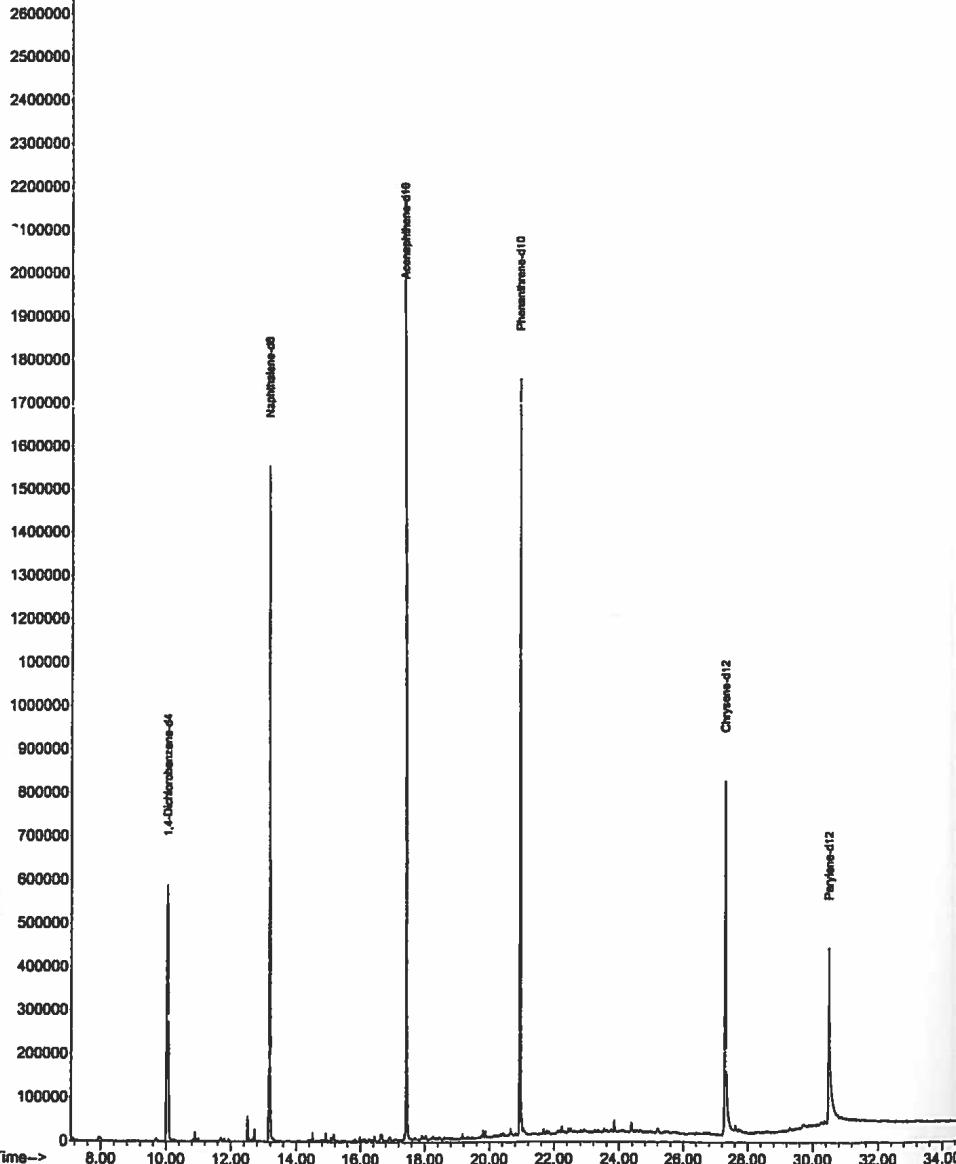
Data File : C:\MSDCHEM\1\DATA\0203\SVOC025.D Vial: 23
Acq On : 7 Jan 2003 7:50 Operator: Mathilde Ernoult
Sample : DUB 02 B02182-S0013 WS2 0.5-1.0 Inst : Instrumen
Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.47
Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:41 2003

Quant Results File: SVOC.RBS

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
Title : Semivolatiles
Last Update : Tue Jan 07 16:03:50 2003
Response via : Initial Calibration

Abundance TIC: SVOC025.D



Page 3

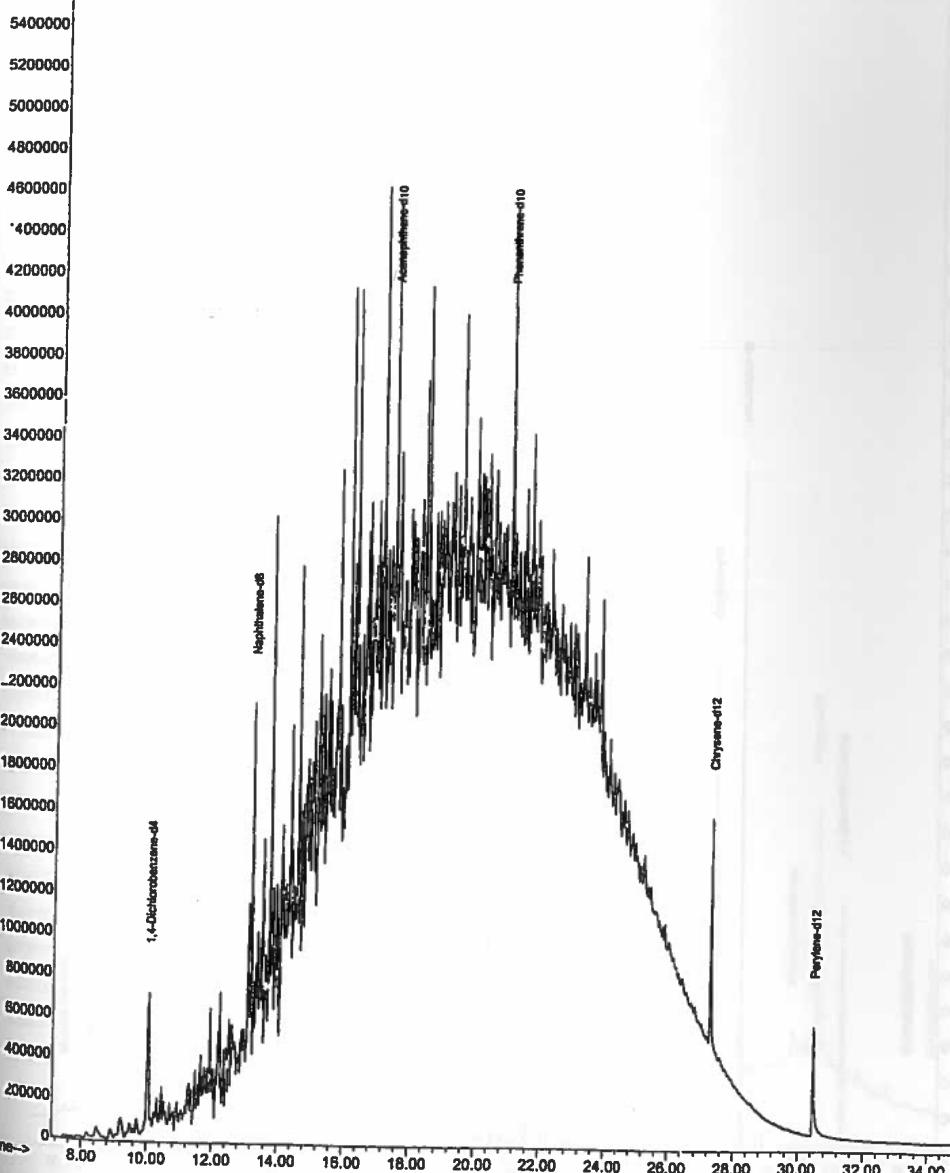
Data File : C:\MSDCHEM\1\DATA\0203\SVOC026.D Vial: 24
Acq On : 7 Jan 2003 8:33 Sample: DUB 02 B02182-S0015 WS2 4.0
Misc : Irish Geotechnical Services Ltd/Soil Multiplr: 1.68
Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:42 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
Title : Semivolatiles
Last Update : Tue Jan 07 16:03:50 2003
Response via : Initial Calibration

Abundance TIC: SVOC026.D



Page 3

Data File : C:\MSDCHEM\1\DATA\0203\SVOC027.D
 Acq On : 7 Jan 2003 9:16
 Sample : DUB 02 B02182 S0016 WS3 0.5
 Misc : Irish Geotechnical Services Ltd/Soil

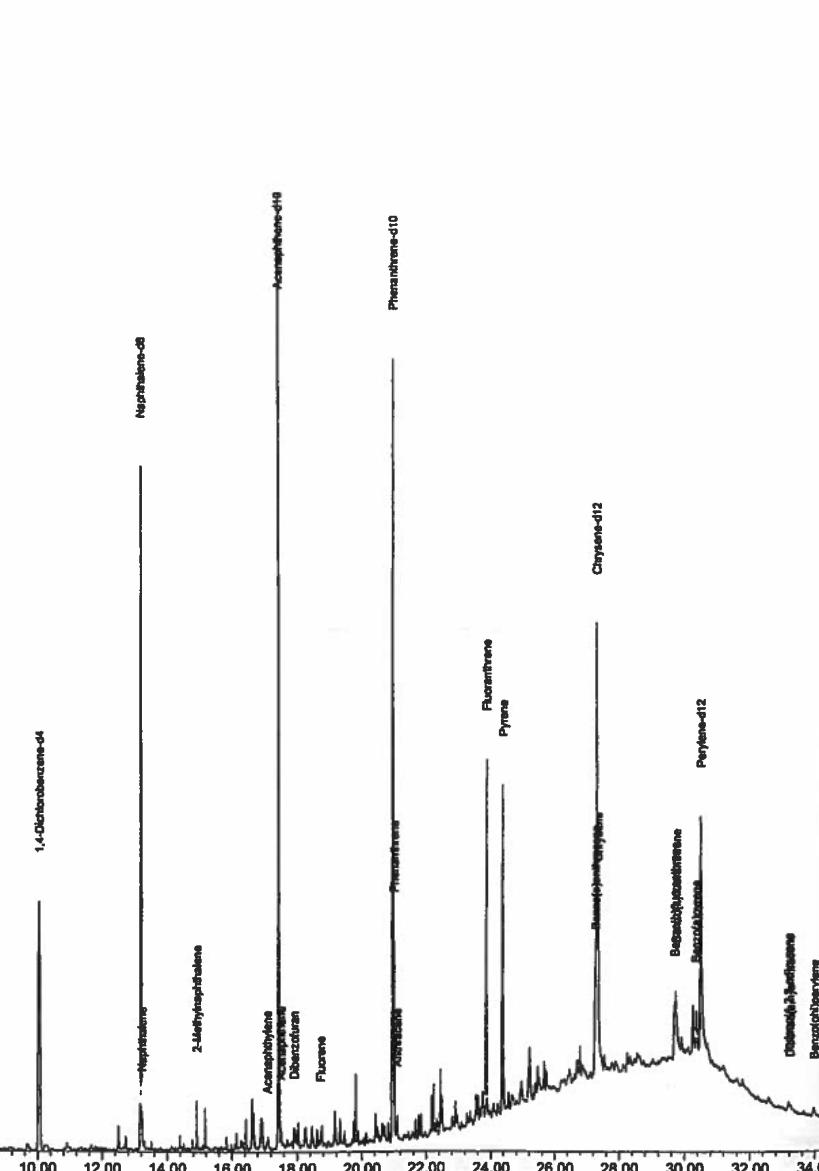
Vial: 25
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 1.63
 Sample Amount: 0.00

MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:43 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0203\SVOC028.D
 Acq On : 7 Jan 2003 9:59
 Sample : DUB 02-B02182-S0019 WS4 1.5-2.0
 Misc : Irish Geotechnical Services Ltd/Soil

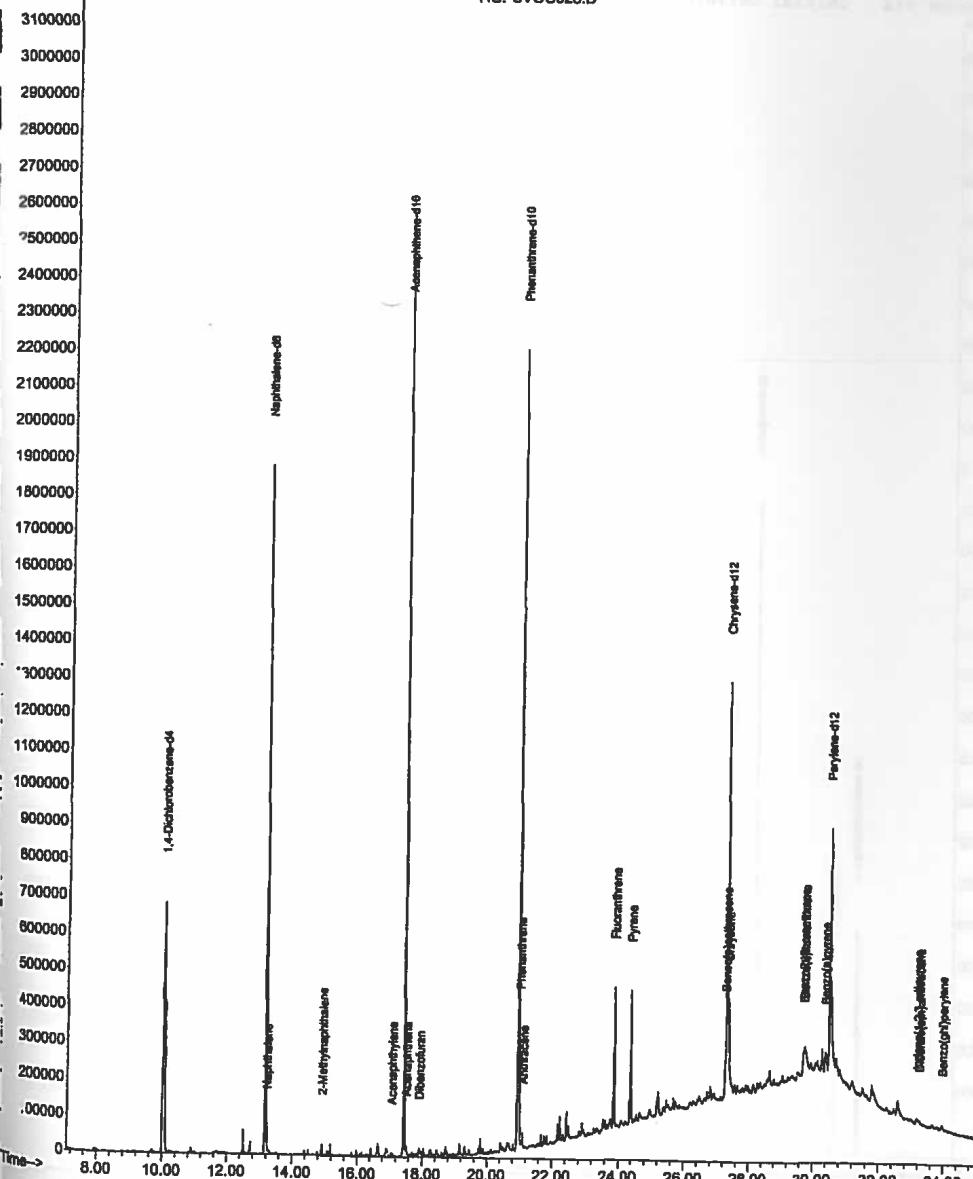
Vial: 26
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 1.66
 Sample Amount: 0.00

MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:45 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0203\SVOC029.D
 Acq On : 7 Jan 2003 10:41
 Sample : DUB 02 B02182-S0033 WS5 2.0
 Misc : Irish Geotechnical Services Ltd/Soil

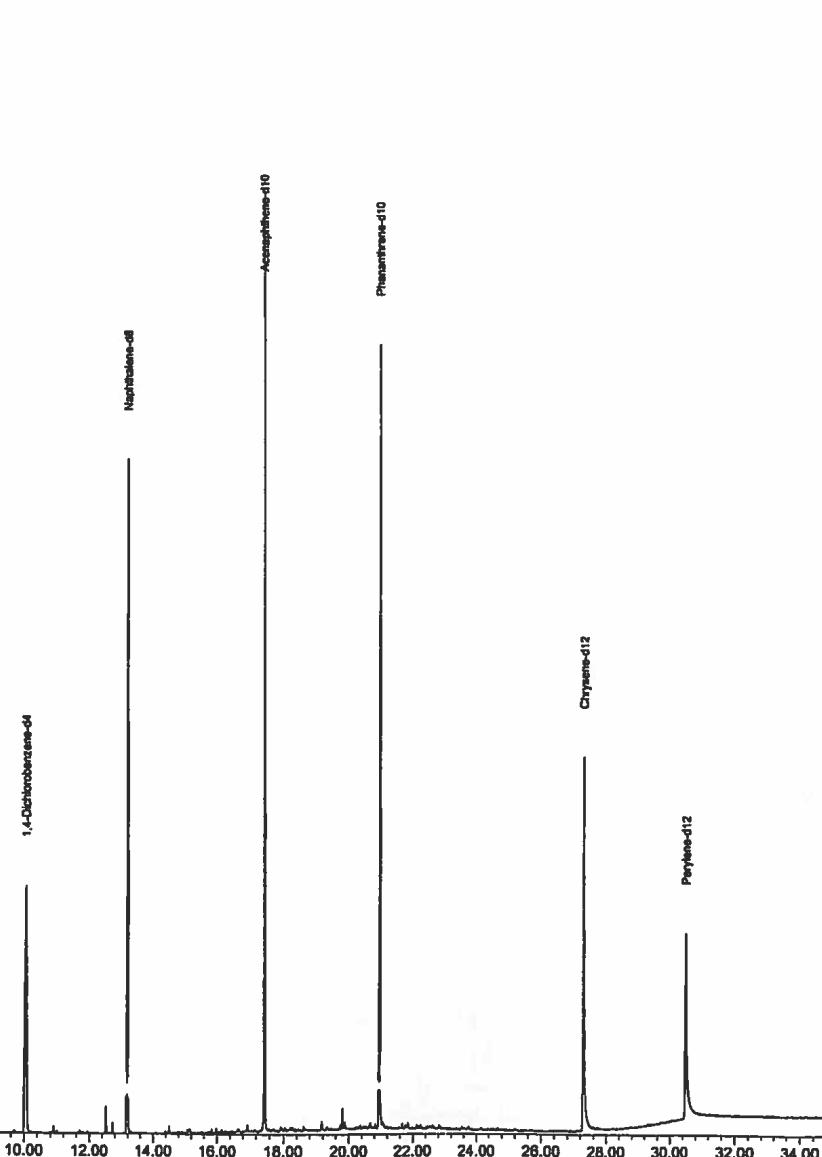
Vial: 27
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 1.51
 Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:45 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance



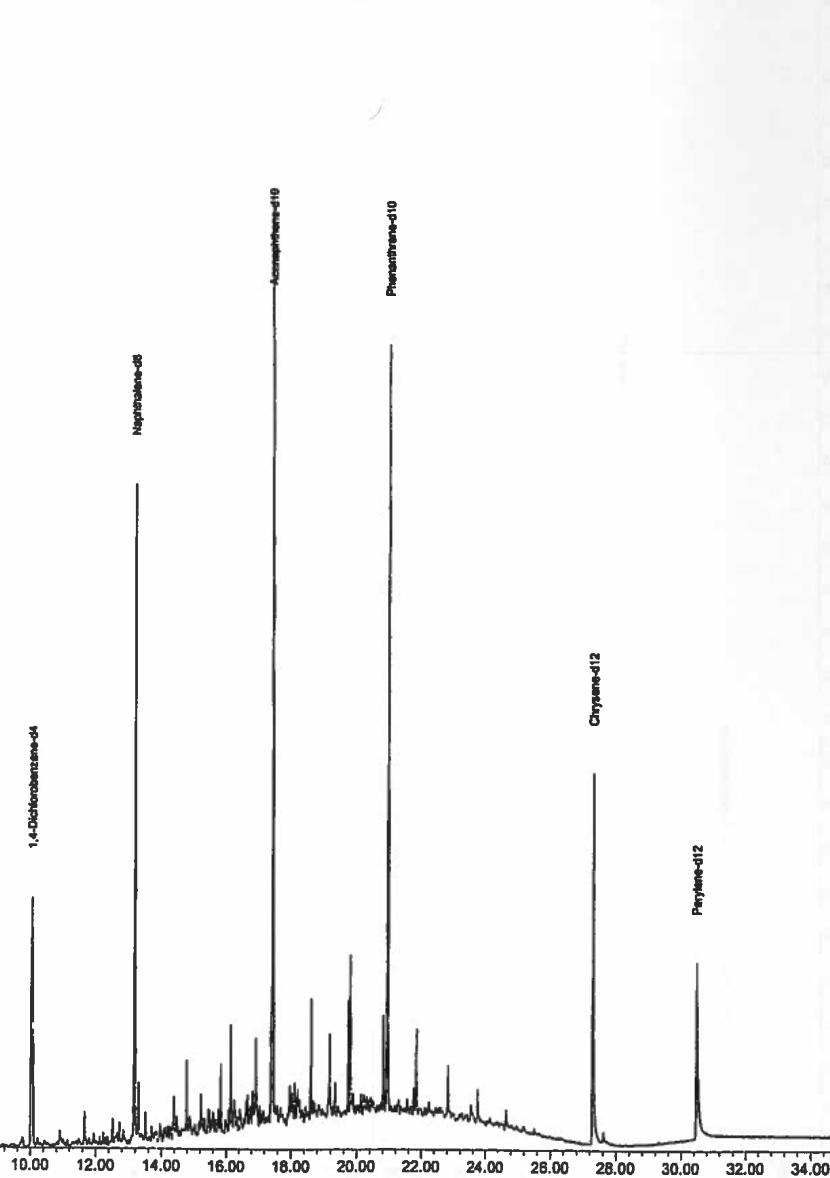
Data File : C:\MSDCHEM\1\DATA\0203\SVOC030.D
 Acq On : 7 Jan 2003 11:24
 Sample : DUB 02 B02182-S0025 WS5 4.5 5.0
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 28
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 1.52
 Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:46 2003
Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0203\SVOC031.D
Acq On : 7 Jan 2003 12:07
Sample : DUB-02-B02182 S0028 WS7 1.0 1.5
Misc : Irish Geotechnical Services Ltd/Soil

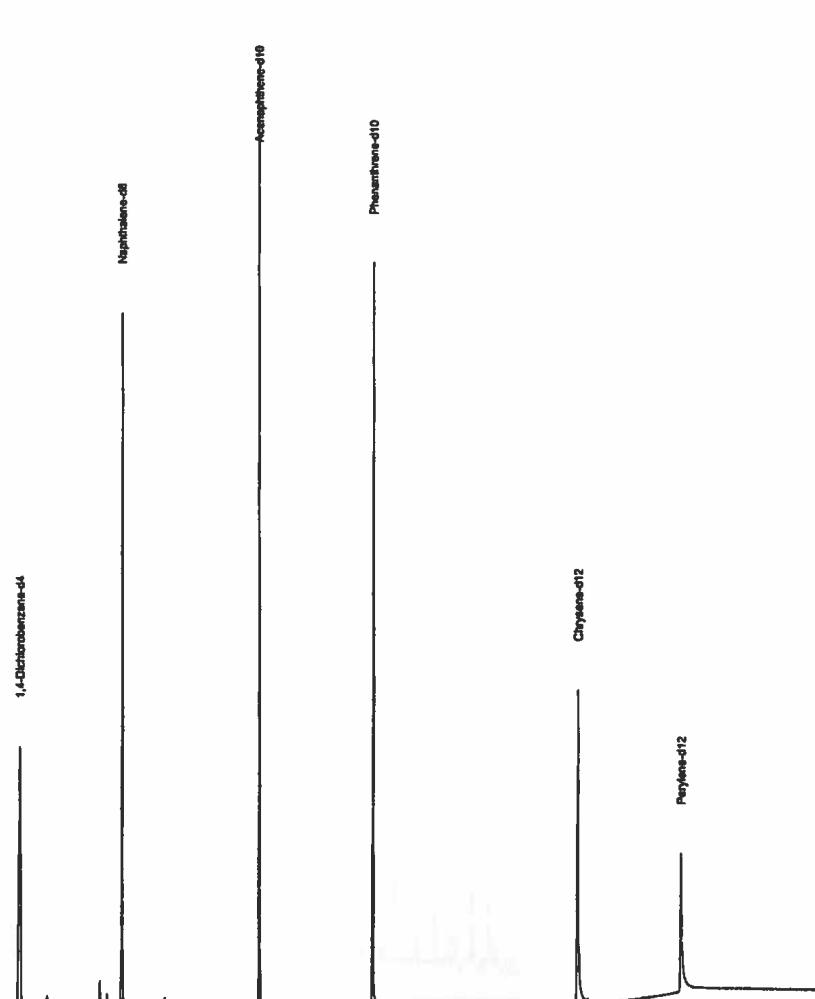
Vial: 29
Operator: Mathilde Ernoult
Inst : Instrumen
Multiplr: 1.47
Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:47:10 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
Title : Semivolatiles
Last Update : Tue Jan 07 16:03:50 2003
Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0203\SVOC032.D
Acq On : 7 Jan 2003 12:50
Sample : DUB 02 B02182 S0032 WS10 0.5 1.0
Misc : Irish Geotechnical Services Ltd/Soil

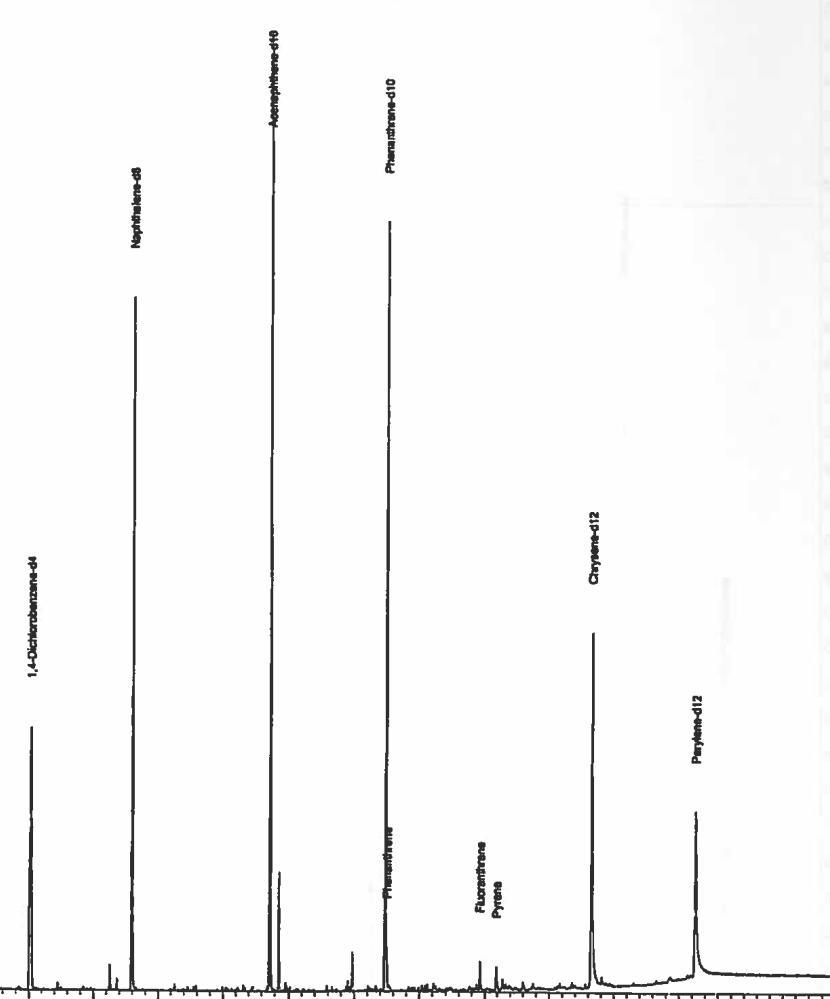
Vial: 30
Operator: Mathilde Ernoult
Inst : Instrumen
Multiplr: 1.49
Sample Amount: 0.00

MS Integration Params: autoint1.e
Quant Time: Jan 8 11:47 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
Title : Semivolatiles
Last Update : Tue Jan 07 16:03:50 2003
Response via : Initial Calibration

Abundance



Data File : C:\MSDCHEM\1\DATA\0203\SVOC033.D
 Acq On : 7 Jan 2003 13:33
 Sample : DUB-02-B02182-S0038 WS11 3.5-4.0
 Misc : Irish Geotechnical Services Ltd/Soil

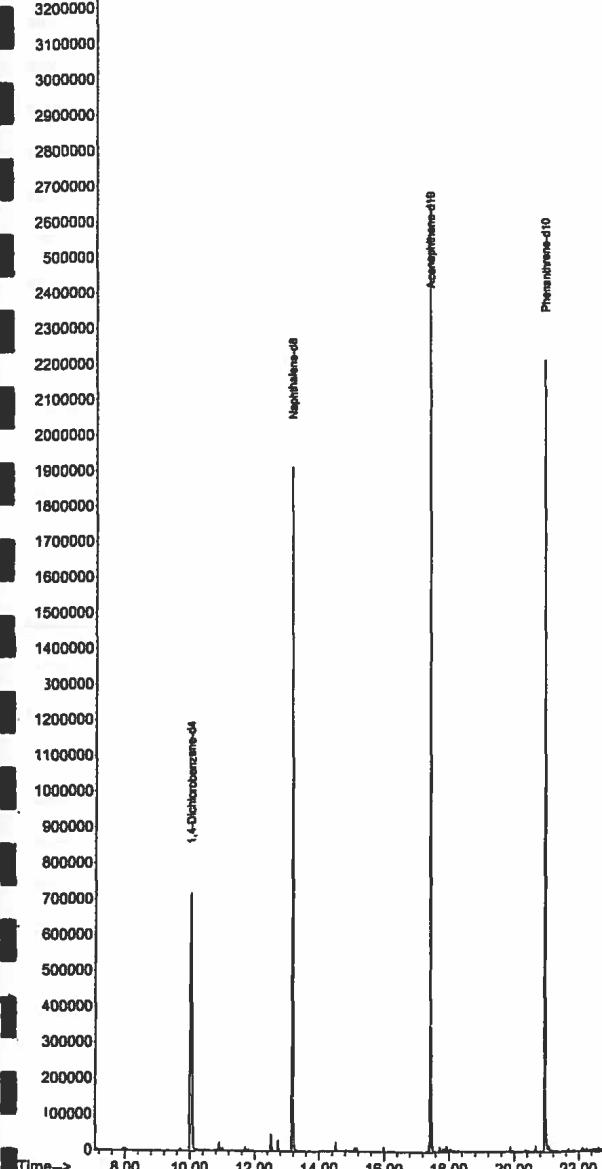
Vial: 31
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 1.84
 Sample Amount: 0.00

MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:53 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance



SVOC033.D

SVOC.M

Wed Jan 08 11:53:37 2003

Page 3

Data File : C:\MSDCHEM\1\DATA\0203\SVOC034.D
 Acq On : 7 Jan 2003 14:16
 Sample : DUB-02-B02182-S0044 WS13 0.5-1.0
 'isc : Irish Geotechnical Services Ltd/Soil

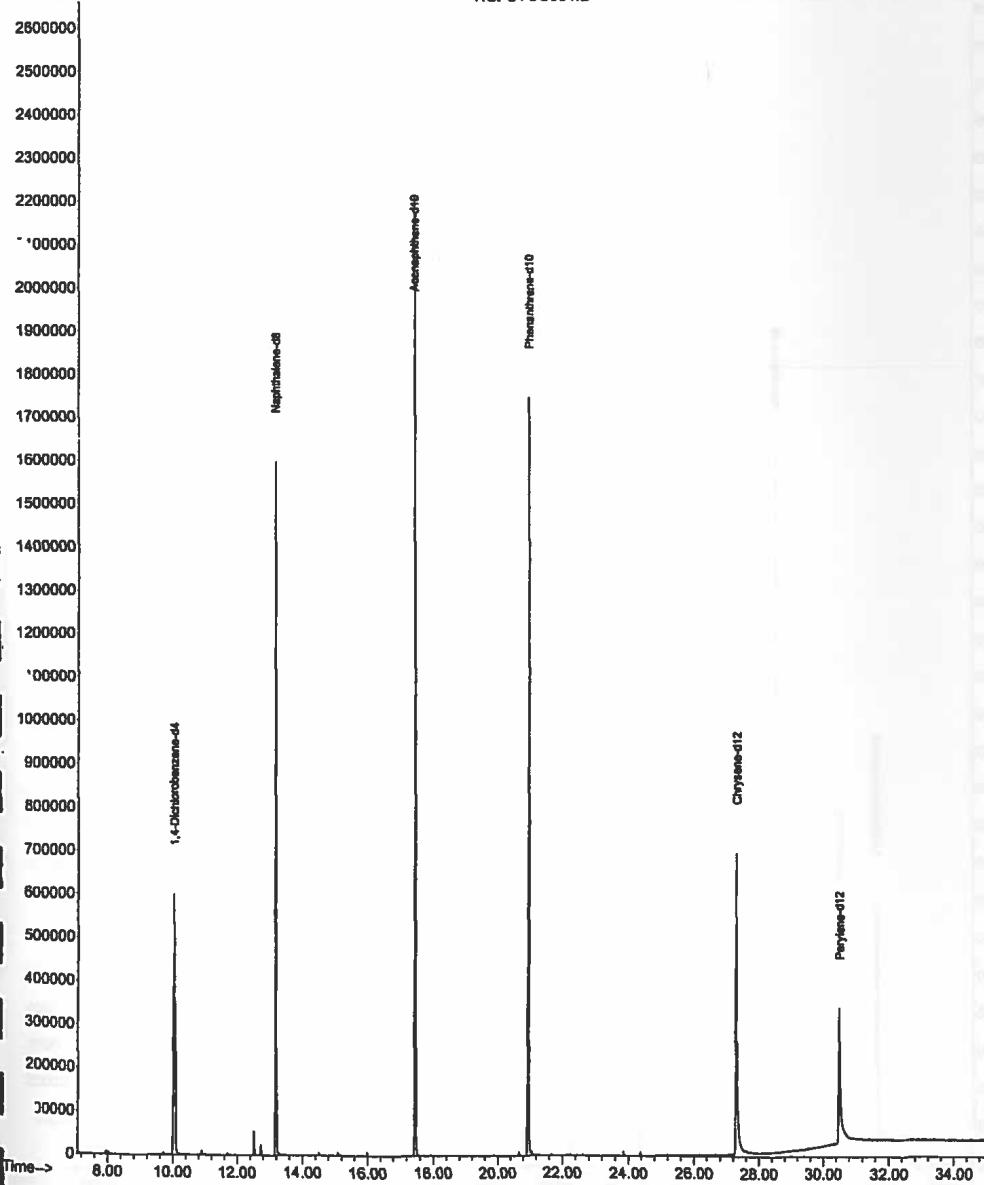
Vial: 32
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 1.50
 Sample Amount: 0.00

MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:54 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance



SVOC034.D

SVOC.M

Wed Jan 08 11:54:36 2003

Page 3

Data File : C:\MSDCHEM\1\DATA\0203\SVOC035.D
 Acq On : 7 Jan 2003 14:59
 Sample : DUB-02-B02182-S0049 WS14 0.5-1.0
 Misc : Irish Geotechnical Services Ltd/Soil

Vial: 33
 Operator: Mathilde Ernoult
 Inst : Instrumen
 Multiplr: 1.49
 Sample Amount: 0.00

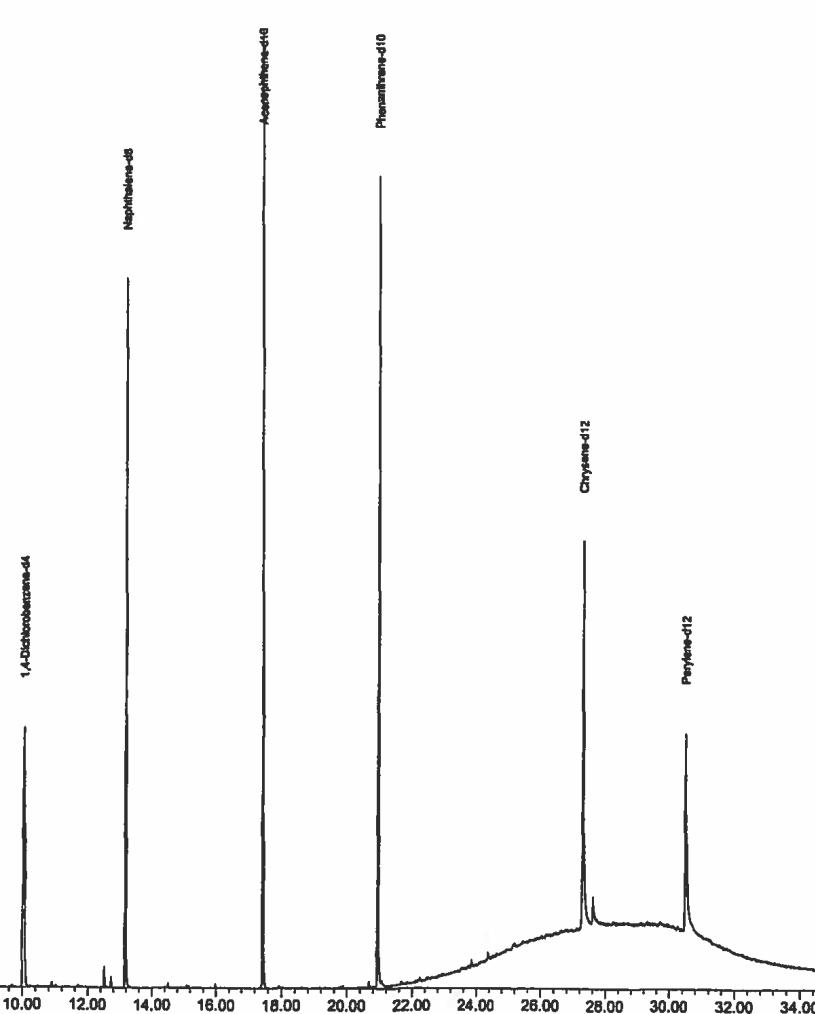
MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:55 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance

TIC: SVOC035.D



Data File : C:\MSDCHEM\1\DATA\0203\SVOC036.D
 Acq On : 7 Jan 2003 15:42
 Sample : DUB 02 B02182-S0051WS15 0.5 1.0
 Inst : Instrumen
 Multiplr: 1.57
 Sample Amount: 0.00

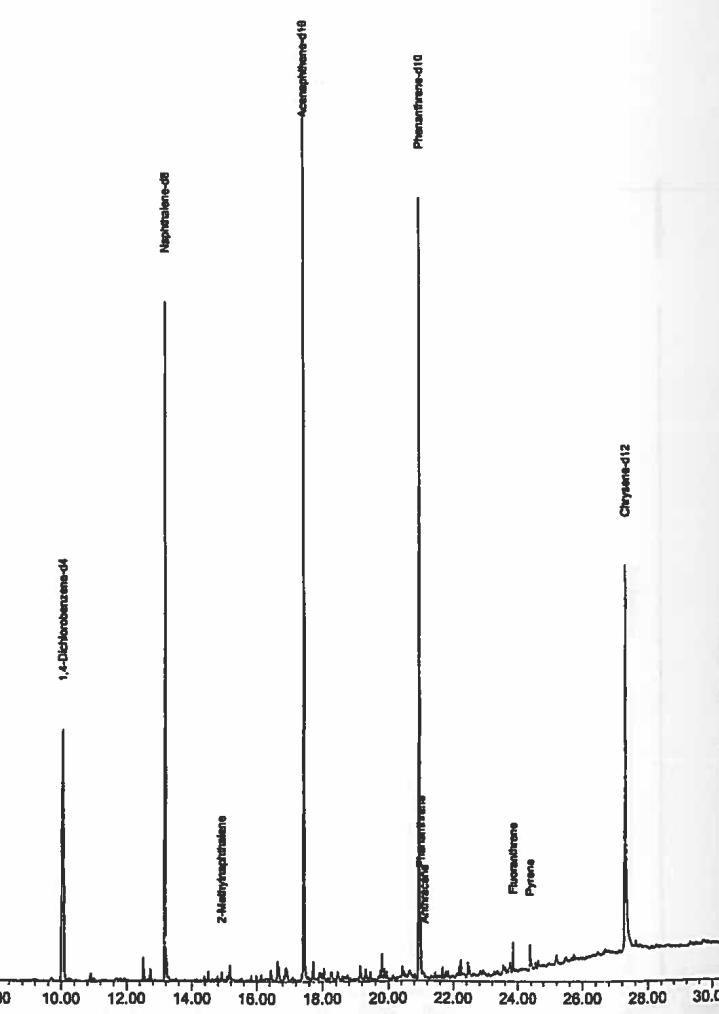
MS Integration Params: autoint1.e
 Quant Time: Jan 8 11:56 2003

Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance

TIC: SVOC036.D

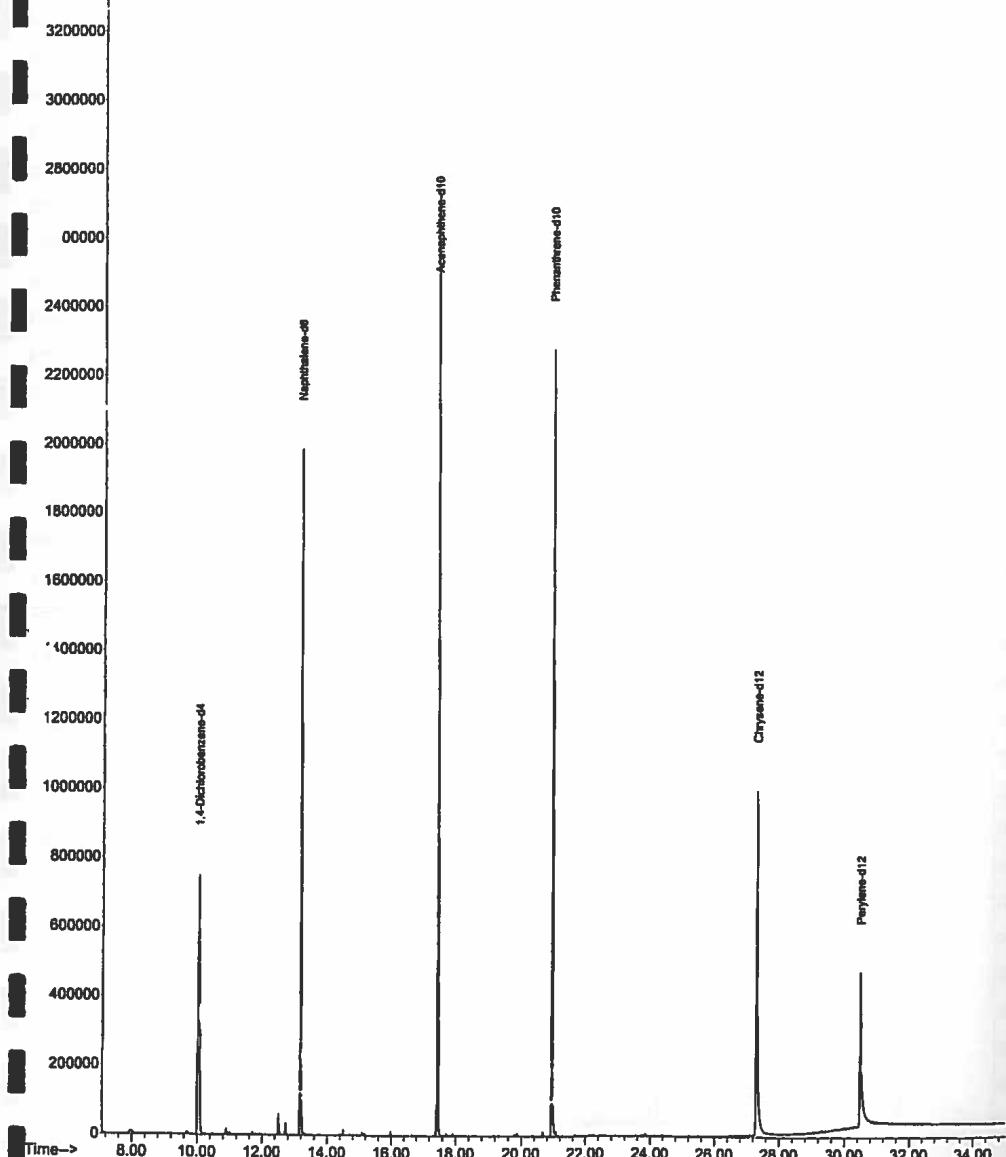


Data File : C:\MSDCHEM\1\DATA\0203\SVOC037.D Vial: 35
 Acq On : 7 Jan 2003 16:25 Operator: Mathilde Ernoult
 Sample : DUB 02 B02182-S0054 WS16 0.5 1.0 Inst : Instrumen
 IGC : Irish Geotechnical Services Ltd/Soil Multiplir: 1.54
 MS Integration Params: autoint1.e Sample Amount: 0.00
 Quant Time: Jan 8 11:56 2003 Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance

TIC: SVOC037.D



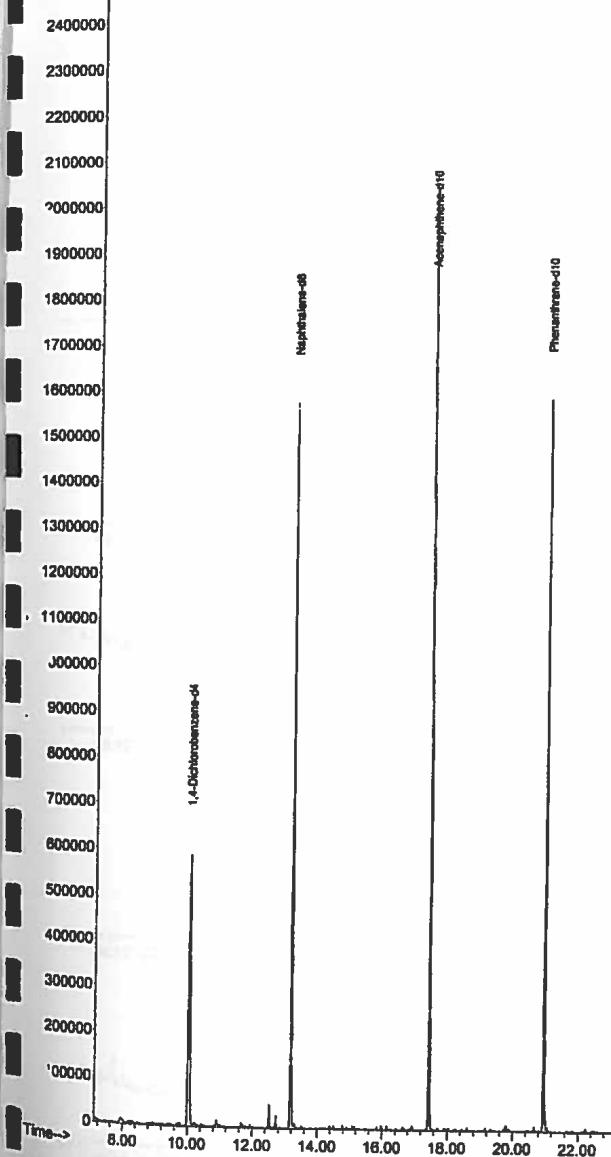
Data File : C:\MSDCHEM\1\DATA\0203\SVOC018.D Vial: 16
 Acq On : 7 Jan 2003 2:51 Operator: Mathilde Ernoult
 Sample : DUB 02 B02182-S0057 WS8 1.5 2.0 Inst : Instrumen
 IGC : Irish Geotechnical Services Ltd/Soil Multiplir: 1.55
 MS Integration Params: autoint1.e Sample Amount: 0.00

Quant Time: Jan 8 11:37 2003 Quant Results File: SVOC.RES

Method : C:\MSDCHEM\1\METHODS\SVOC.M (Chemstation Integrator)
 Title : Semivolatiles
 Last Update : Tue Jan 07 16:03:50 2003
 Response via : Initial Calibration

Abundance

TIC: SVOC018.D



File : C:\MSDCHEM\1\DATA\011003\PCB014.D
Operator :
Acquired : 11 Jan 2003 16:28 using AcqMethod PCB
Instrument : 01A MSD59
Sample Name: 14074-002
Misc Info :
Vial Number: 50

