

Report No A0054-10/2

FERRYBRIDGE MULTI-FUEL POWER STATION

FACTUAL REPORT ON GROUND INVESTIGATION

**GEOENVIRONMENTAL LABORATORY TEST
RESULTS**

Carried out for:
Scottish and Southern Energy Generation Ltd

Engineer:
Ove Arup

February 2011



Soil Mechanics
Askern Road, Carcroft,
Doncaster, South Yorkshire, DN6 8DG, UK
Tel: +44 (0) 1302 723456 Fax: +44 (0) 1302 725240
email: sm.doncaster@esg.co.uk

Soil Mechanics part of Environmental Scientifics Group

**FERRYBRIDGE MULTI-FUEL POWER STATION
FACTUAL REPORT ON GROUND INVESTIGATION
GEOENVIRONMENTAL LABORATORY TEST RESULTS**

Report No: A0054-10/2

Date: February 2011

Employer:

**Scottish and Southern Energy
Generation Ltd
Ferrybridge Power Station
Stanglands Lane
Knottingley
West Yorkshire
WF11 8SQ**

Engineer:

**Ove Arup
Admiral House
Rose Wharf
78 East Street
Leeds
LS9 8EE**

Issue No	Date	Details
1	February 2011	Report as submitted

The title to this report is vested in the Employer named but title to copyright is retained. The Contracts (Rights of Third Parties) Act 1999 does not apply to the contract with the Employer and the provisions of the said Act are hereby excluded.

REPORT STRUCTURE

VOLUME NO.	TITLE	REPORT NO.
1	TEXT, EXPLORATORY HOLE RECORDS, INSTRUMENTATION AND MONITORING, GEOTECHNICAL LABORATORY TEST RESULTS	A0054-10/1
2	GEOENVIRONMENTAL LABORATORY TEST RESULTS	A0054-10/2
3	GEOENVIRONMENTAL LABORATORY TEST RESULTS PHOTOGRAPHS AND DRAWINGS	A0054-10/3

ENCLOSURE D
GEOENVIRONMENTAL LABORATORY TEST RESULTS

Scientifics Report

EFS/107034
EFS/107035
EFS/107295
EFS/107296

TEST REPORT

SOIL SAMPLE ANALYSIS



Report No. EFS/107034M (Ver. 1)

Soil Mechanics
Askern Road
Carcroft
Doncaster
DN6 8DG

Site: Ferrybridge Multifuel PowerStn

The 16 samples described in this report were logged for analysis by Scientifics on 16-Oct-2010.
The analysis was completed by: 27-Oct-2010

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS or MCERTS accredited
Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by Scientifics.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of PAH (MS-SIM) (80) Results (Pages 4 to 19)
Table of PCB Congener Results (Page 20)
Table of SVOC Results (Pages 21 to 24)
Table of GRO Results (Page 25)
Table of TPH (Si) banding (std) (Page 26)
GC-FID Chromatograms (Pages 27 to 58)
Table of Asbestos Screening Results (Page 59)
Table of Method Descriptions (Page 60)
Table of Report Notes (Page 61)
Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of
Scientifics :
Andrew Timms

Operations Manager

Date of Issue: 28-Oct-2010

Accreditation Codes: **N** (Not Accredited), **U** (UKAS), **UM** (UKAS & MCERTS)

Tests marked '*' have been subcontracted to another laboratory.

(NVM) - denotes the sample matrix is dissimilar to matrices upon which the MCERTS validation was based,
and is therefore not accredited for MCERTS.

All results are reported on a dry weight basis at 105°C unless otherwise stated. (except QC samples)
Scientifics accepts no responsibility for any sampling not carried out by our personnel.

Units : Method Codes : Method Reporting Limits : Accreditation Code:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH Units	mg/kg	mg/kg		
		ICPBOR	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	PAHMSUS	PHSOIL	SFAPI	SFAPI	Sub02a
		0.5	0.3	0.2	1.2	1.6	0.7	0.5	2	0.5	0.6	16	0.08		UM	0.5	0.5	
		UM	UM	UM	UM	UM	UM	UM	UM	UM	U	UM		UM	UM	U	U	
Laboratory ID Number	CL/ Client Sample Description	Boron (H20 Soluble)	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Vanadium (MS)	Zinc (MS)	PAH by MS:16(0.08)	pH units (AR)	Cyanide(Free) (AR)	Phenol Index (AR)	Asbestos Screen	
1030868	BH102 ES 3 0.50	1.2	10.2	0.4	16.6	19.2	41.3	<0.5	16.8	<0.5	20.1	69	Req	7.3	<0.6	<0.6	NAIIS	
1030869	BH102 ES 12 3.00	0.9	9.1	0.36	37	28.5	20	<0.5	47	<0.5	38.1	74.2	Req	8.8	<0.6	<0.6		
1030870	BH106 ES 3 0.30	0.8	13.8	0.6	21.4	26	41.1	<0.5	26.4	0.8	28.6	74.3	Req	8.2	<0.6	<0.6		
1030871	BH107 ES 5 1.00	<0.5	6.3	0.38	18.3	18.3	16	<0.5	24.1	<0.5	21.7	49.4	Req	8.1	<0.6	<0.6		
1030872	BH108 ES 1 0.30	0.8	4.1	0.95	46.8	8.9	25.5	<0.5	10.1	<0.5	25.5	83.4	Req	8.9	<0.5	<0.5	NAIIS	
1030873	BH108 ES 9 2.00	0.7	7.7	0.23	38.1	12.3	9.1	<0.5	41.5	1.1	41.2	73.4	Req	9.0	<0.6	<0.6		
1030874	BH109 ES 1 0.30	<0.5	12.2	0.6	15.3	17.6	16	<0.5	20	<0.5	28.7	36.8	Req	8.5	<0.6	<0.6	NAIIS	
1030875	BH109 ES 8 2.00	<0.5	9.2	0.6	13.8	15	19.2	<0.5	17	0.6	21	43.2	Req	9.5	<0.6	<0.6	NAIIS	
1030876	BH112 ES 3 0.50	<0.5	8.5	0.33	13.3	18	29.2	<0.5	17.9	<0.5	16	57	Req	8.1	<0.6	<0.6	NAIIS	
1030877	BH113 ES 2 0.50	<0.5	9.5	0.34	30.7	24.4	36.3	<0.5	34.6	0.9	36.6	93.4	Req	8.5	<0.6	<0.6		
1030878	BH404 ES 3 0.50	<0.5	9.9	0.22	14.1	15.2	14.6	<0.5	17.6	<0.5	18.6	44.6	Req	8.6	<0.5	<0.5	NAIIS	
1030879	BH404 ES 8 2.00	<0.5	3.5	0.24	12	12.8	9.5	<0.5	15.3	<0.5	13.8	49	Req	8.5	<0.6	<0.6		
1030880	BH405 ES 5 1.00	<0.5	4.1	0.32	13.1	12.3	12.4	<0.5	21	<0.5	14.8	49.8	Req	8.2	<0.6	<0.6	NAIIS	
1030881	BH405 ES 8 2.00	<0.5	3.9	0.31	9.6	11	8.4	<0.5	21.5	<0.5	11.5	37.9	Req	8.1	<0.6	<0.6		
1030882	BH406 ES 1 0.30	<0.5	7.5	0.85	14	23.2	13.9	<0.5	29.7	0.6	16.4	87.8	Req	8.3	<0.6	<0.6	NAIIS	
1030883	BH406 ES 8 2.00	<0.5	7.9	0.36	17.6	19	17.7	<0.5	26.2	<0.5	23.3	60.1	Req	8.2	<0.6	<0.6		
scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Soil Mechanics							Soils Sample Analysis							
		Contact		Mr J Huntington														
		Ferrybridge Multifuel PowerStn										Date Printed		28-Oct-10				
												Report Number		EFS/107034M				
												Table Number		1				

Units : Method Codes : Method Reporting Limits : Accreditation Code:		%	mg/kg	mg/kg	ug/kg	%	mg/kg										
		TMSS	TPHUSSI	GROHSA	PCBUSECD	SSL	SVOCMSUS										
		0.2	10.0	0.1	5	0.1	0.2-10.0										
		U				N											
Laboratory ID Number CL/	Client Sample Description	Tot. Moisture @ 105C	TPH by GC/FID (AR/SI)	GRO (AA)	PCB (7 Congeners)	Organic Matter %	SVOC (AR)										
		1030868	BH102 ES 3 0.50	14.6	Req	Req	Req	2.52	Req								
		1030869	BH102 ES 12 3.00	22.9	Req	Req		0.99									
		1030870	BH106 ES 3 0.30	19.0	Req	Req											
		1030871	BH107 ES 5 1.00	11.1	Req	Req		0.68									
		1030872	BH108 ES 1 0.30	8.1	Req	Req	Req	3.38	Req								
		1030873	BH108 ES 9 2.00	16.2	Req	Req		0.32									
		1030874	BH109 ES 1 0.30	11.4	Req	Req	Req		Req								
		1030875	BH109 ES 8 2.00	15.3	Req	Req	Req										
		1030876	BH112 ES 3 0.50	12.7	Req	Req	Req	2.01	Req								
		1030877	BH113 ES 2 0.50	13.4	Req	Req		0.68									
		1030878	BH404 ES 3 0.50	8.8	Req	Req	Req										
		1030879	BH404 ES 8 2.00	17.0	Req	Req		1.37									
		1030880	BH405 ES 5 1.00	12.4	Req	Req	Req										
		1030881	BH405 ES 8 2.00	10.0	Req	Req		1.41									
		1030882	BH406 ES 1 0.30	10.8	Req	Req	Req										
		1030883	BH406 ES 8 2.00	12.1	Req	Req		0.45									
scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Soil Mechanics						Soils Sample Analysis							
		Contact		Mr J Huntington						Date Printed		28-Oct-10					
		Ferrybridge Multifuel PowerStn						Report Number		EFS/107034M							
								Table Number		1							

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH102 ES 3 0.50	Job Number:	S10_7034M
LIMS ID Number:	CL1030868	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	21-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.40	0.13	98	UM
Pyrene	129-00-0	7.70	0.11	96	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	9.48	0.11	95	UM
Benzo[b]fluoranthene	205-99-2	10.98	0.10	95	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.58	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	83
Acenaphthene-d10	80
Phenanthrene-d10	90
Chrysene-d12	99
Perylene-d12	100

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	105
Terphenyl-d14	119

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH102 ES 12 3.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030869	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	21-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.66	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	71
Acenaphthene-d10	65
Phenanthrene-d10	67
Chrysene-d12	60
Perylene-d12	54

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	113
Terphenyl-d14	109

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH106 ES 3 0.30	Job Number:	S10_7034M
LIMS ID Number:	CL1030870	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	21-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.58	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	81
Acenaphthene-d10	77
Phenanthrene-d10	85
Chrysene-d12	94
Perylene-d12	92

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	111
Terphenyl-d14	125

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH107 ES 5 1.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030871	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	21-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.44	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	79
Acenaphthene-d10	74
Phenanthrene-d10	82
Chrysene-d12	87
Perylene-d12	86

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	111
Terphenyl-d14	119

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH108 ES 1 0.30	Job Number:	S10_7034M
LIMS ID Number:	CL1030872	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.49	0.53	97	UM
Acenaphthylene	208-96-8	4.56	2.14	98	U
Acenaphthene	83-32-9	4.68	5.19	99	UM
Fluorene	86-73-7	5.09	4.17	97	UM
Phenanthrene	85-01-8	5.99	28.00	99	UM
Anthracene	120-12-7	6.05	11.00	94	U
Fluoranthene	206-44-0	7.40	95.40	99	UM
Pyrene	129-00-0	7.70	76.00	98	UM
Benzo[a]anthracene	56-55-3	9.42	26.80	96	UM
Chrysene	218-01-9	9.47	19.20	99	UM
Benzo[b]fluoranthene	205-99-2	10.97	26.90	97	UM
Benzo[k]fluoranthene	207-08-9	11.01	12.00	96	UM
Benzo[a]pyrene	50-32-8	11.41	24.50	97	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.82	14.60	92	UM
Dibenzo[a,h]anthracene	53-70-3	12.85	3.21	89	UM
Benzo[g,h,i]perylene	191-24-2	13.17	12.70	99	UM
Total (USEPA16) PAHs	-	-	362.69	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	74
Acenaphthene-d10	72
Phenanthrene-d10	81
Chrysene-d12	105
Perylene-d12	124

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	103
Terphenyl-d14	113

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH108 ES 9 2.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030873	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	5.99	0.16	97	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	7.40	0.38	97	UM
Pyrene	129-00-0	7.70	0.32	99	UM
Benzo[a]anthracene	56-55-3	9.42	0.18	96	UM
Chrysene	218-01-9	9.48	0.17	98	UM
Benzo[b]fluoranthene	205-99-2	10.98	0.20	79	UM
Benzo[k]fluoranthene	207-08-9	11.01	0.14	80	UM
Benzo[a]pyrene	50-32-8	11.41	0.23	95	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.83	0.11	76	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	13.17	0.10	69	UM
Total (USEPA16) PAHs	-	-	< 2.59	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	75
Acenaphthene-d10	72
Phenanthrene-d10	78
Chrysene-d12	88
Perylene-d12	99

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	108
Terphenyl-d14	118

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH109 ES 1 0.30	Job Number:	S10_7034M
LIMS ID Number:	CL1030874	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	2.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.44	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	76
Acenaphthene-d10	72
Phenanthrene-d10	79
Chrysene-d12	90
Perylene-d12	101

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	112

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH109 ES 8 2.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030875	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.51	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	78
Acenaphthene-d10	74
Phenanthrene-d10	81
Chrysene-d12	91
Perylene-d12	99

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	107
Terphenyl-d14	119

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH112 ES 3 0.50	Job Number:	S10_7034M
LIMS ID Number:	CL1030876	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.40	0.10	97	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.48	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	77
Acenaphthene-d10	72
Phenanthrene-d10	76
Chrysene-d12	85
Perylene-d12	88

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	112
Terphenyl-d14	123

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH113 ES 2 0.50	Job Number:	S10_7034M
LIMS ID Number:	CL1030877	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.48	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	79
Acenaphthene-d10	76
Phenanthrene-d10	82
Chrysene-d12	90
Perylene-d12	92

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	106
Terphenyl-d14	119

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH404 ES 3 0.50	Job Number:	S10_7034M
LIMS ID Number:	CL1030878	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.40	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	77
Acenaphthene-d10	72
Phenanthrene-d10	80
Chrysene-d12	86
Perylene-d12	85

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	108
Terphenyl-d14	118

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH404 ES 8 2.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030879	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.54	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	75
Acenaphthene-d10	69
Phenanthrene-d10	73
Chrysene-d12	75
Perylene-d12	74

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	112
Terphenyl-d14	122

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH405 ES 5 1.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030880	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.46	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	75
Acenaphthene-d10	70
Phenanthrene-d10	72
Chrysene-d12	76
Perylene-d12	73

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	110
Terphenyl-d14	122

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH405 ES 8 2.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030881	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.42	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	74
Acenaphthene-d10	70
Phenanthrene-d10	76
Chrysene-d12	77
Perylene-d12	76

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	105
Terphenyl-d14	114

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH406 ES 1 0.30	Job Number:	S10_7034M
LIMS ID Number:	CL1030882	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.43	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	74
Acenaphthene-d10	69
Phenanthrene-d10	74
Chrysene-d12	80
Perylene-d12	78

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	108
Terphenyl-d14	119

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH406 ES 8 2.00	Job Number:	S10_7034M
LIMS ID Number:	CL1030883	Date Booked in:	16-Oct-10
QC Batch Number:	2215	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	1020PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.46	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	75
Acenaphthene-d10	71
Phenanthrene-d10	75
Chrysene-d12	74
Perylene-d12	68

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	109
Terphenyl-d14	116

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polychlorinated Biphenyls (congeners)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn
Job Number:	S10_7034M
QC Batch Number:	102221
Directory:	1021PCB.GC8
Method:	Ultrasonic
Accreditation code:	N

Matrix:	SOIL
Date Booked in:	16-Oct-10
Date Extracted:	21-Oct-10
Date Analysed:	22-Oct-10

[illegible]

Semi-Volatile Organic Compounds

Accredited?: No

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn			Matrix:	Soil	QC Batch Number:	2222
Sample Details:	BH102 ES 3 0.50	Date Booked in:	16-Oct-10	Ext Method:	Ultrasonic	Multiplier:	0.2
LIMS ID Number:	CL1030868	Date Extracted:	18-Oct-10	Operator:	SO	Dilution Factor:	1
Job Number:	S10_7034M	Date Analysed:	23-Oct-10	Directory/Quant File:	22SVOC.MS16\ 1022_CCC3.D	GPC (Y/N)	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 2.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 0.6	-	N
2-Chlorophenol	95-57-8	-	< 2.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 0.6	-	N
1,4-Dichlorobenzene	106-46-7	-	< 0.6	-	N
Benzyl alcohol	100-51-6	-	< 0.6	-	N
1,2-Dichlorobenzene	95-50-1	-	< 0.6	-	N
2-Methylphenol	95-48-7	-	< 0.6	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.6	-	N
Hexachloroethane	67-72-1	-	< 0.6	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.6	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 2.0	-	N
Nitrobenzene	98-95-3	-	< 0.6	-	N
Isophorone	78-59-1	-	< 0.6	-	N
2-Nitrophenol	88-75-5	-	< 2.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 2.0	-	N
Benzoic Acid	65-85-0 *	-	< 12.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.6	-	N
2,4-Dichlorophenol	120-83-2	-	< 2.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 0.6	-	N
Naphthalene	91-20-3	-	< 0.2	-	N
4-Chlorophenol	106-48-9	-	< 2.0	-	N
4-Chloroaniline	106-47-8 *	-	< 0.6	-	N
Hexachlorobutadiene	87-68-3	-	< 0.6	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 0.6	-	N
2-Methylnaphthalene	91-57-6	-	< 0.2	-	N
1-Methylnaphthalene	90-12-0	-	< 0.2	-	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.6	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 2.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 2.0	-	N
2-Chloronaphthalene	91-58-7	-	< 0.2	-	N
Biphenyl	92-52-4	-	< 0.2	-	N
Diphenyl ether	101-84-8	-	< 0.2	-	N
2-Nitroaniline	88-74-4	-	< 0.6	-	N
Acenaphthylene	208-96-8	-	< 0.2	-	N
Dimethylphthalate	131-11-3	-	< 0.6	-	N
2,6-Dinitrotoluene	606-20-2	-	< 0.6	-	N
Acenaphthene	83-32-9	-	< 0.2	-	N
3-Nitroaniline	99-09-2	-	< 0.6	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 1.0	-	N
Dibenzofuran	132-64-9	-	< 0.6	-	N
4-Nitrophenol	100-02-7	-	< 6.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 0.6	-	N
Fluorene	86-73-7	-	< 0.2	-	N
Diethylphthalate	84-66-2	-	< 0.6	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.6	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 6.0	-	N
4-Nitroaniline	100-01-6	-	< 0.6	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.6	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 0.6	-	N
Hexachlorobenzene	118-74-1	-	< 0.6	-	N
Pentachlorophenol	87-86-5	-	< 6.0	-	N
Phenanthrene	85-01-8	-	< 0.2	-	N
Anthracene	120-12-7	-	< 0.2	-	N
Di-n-butylphthalate	84-74-2	-	< 0.6	-	N
Fluoranthene	206-44-0	-	< 0.2	-	N
Pyrene	129-00-0	-	< 0.2	-	N
Butylbenzylphthalate	85-68-7	-	< 0.6	-	N
Benzo[a]anthracene	56-55-3	-	< 0.2	-	N
Chrysene	218-01-9	-	< 0.2	-	N
3,3'-Dichlorobenzidine	91-94-1	-	< 2.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	15.35	2.8	100	N
Di-n-octylphthalate	117-84-0	-	< 0.2	-	N
Benzo[b]fluoranthene	205-99-2	-	< 0.2	-	N
Benzo[k]fluoranthene	207-08-9	-	< 0.2	-	N
Benzo[a]pyrene	50-32-8	-	< 0.2	-	N
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.2	-	N
Dibenzo[a,h]anthracene	53-70-3	-	< 0.2	-	N
Benzo[g,h,i]perylene	191-24-2	-	< 0.2	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	78
Naphthalene-d8	76
Acenaphthene-d10	74
Phenanthrene-d10	72
Chrysene-d12	66
Perylene-d12	67

Surrogates	% Rec
2-Fluorophenol	74
Phenol-d5	72
Nitrobenzene-d5	72
2-Fluorobiphenyl	73
2,4,6-Tribromophenol	72
Terphenyl-d14	78

This analysis was conducted on an 'As Recieved' basis.

Concentrations are reported on a dry weight basis.

Semi-Volatile Organic Compounds

Customer and Site Details:			Accredited?: No		Matrix:		QC Batch Number:	
Sample Details:			Date Booked in:		Ext Method:		Multiplier:	
LIMS ID Number:			Date Extracted:		Operator:		Dilution Factor:	
Job Number:			Date Analysed:		Directory/Quant File:		GPC (Y/N)	
Soil Mechanics: Ferrybridge Multifuel PowerStn			16-Oct-10		Soil		2222	
BH108 ES 1 0.30			18-Oct-10		Ultrasonic		2	
CL1030872			23-Oct-10		SO		10	
S10_7034M					22SVOC.MS16\ 1022_CCC3.D		N	

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 22.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 5.0	-	N
2-Chlorophenol	95-57-8	-	< 22.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 5.0	-	N
1,4-Dichlorobenzene	106-46-7	-	< 5.0	-	N
Benzyl alcohol	100-51-6	-	< 5.0	-	N
1,2-Dichlorobenzene	95-50-1	-	< 5.0	-	N
2-Methylphenol	95-48-7	-	< 5.0	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 5.0	-	N
Hexachloroethane	67-72-1	-	< 5.0	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 5.0	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 22.0	-	N
Nitrobenzene	98-95-3	-	< 5.0	-	N
Isophorone	78-59-1	-	< 5.0	-	N
2-Nitrophenol	88-75-5	-	< 22.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 22.0	-	N
Benzoic Acid	65-85-0 *	-	< 109.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 5.0	-	N
2,4-Dichlorophenol	120-83-2	-	< 22.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 5.0	-	N
Naphthalene	91-20-3	-	< 2.0	-	N
4-Chlorophenol	106-48-9	-	< 22.0	-	N
4-Chloroaniline	106-47-8 *	-	< 5.0	-	N
Hexachlorobutadiene	87-68-3	-	< 5.0	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 5.0	-	N
2-Methylnaphthalene	91-57-6	-	< 2.0	-	N
1-Methylnaphthalene	90-12-0	-	< 2.0	-	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 5.0	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 22.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 22.0	-	N
2-Chloronaphthalene	91-58-7	-	< 2.0	-	N
Biphenyl	92-52-4	-	< 2.0	-	N
Diphenyl ether	101-84-8	-	< 2.0	-	N
2-Nitroaniline	88-74-4	-	< 5.0	-	N
Acenaphthylene	208-96-8	-	< 2.0	-	N
Dimethylphthalate	131-11-3	-	< 5.0	-	N
2,6-Dinitrotoluene	606-20-2	-	< 5.0	-	N
Acenaphthene	83-32-9	8.99	6.0	69	N
3-Nitroaniline	99-09-2	-	< 5.0	-	N

Concentrations are reported on a dry weight basis.

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 11.0	-	N
Dibenzofuran	132-64-9	-	< 5.0	-	N
4-Nitrophenol	100-02-7	-	< 54.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 5.0	-	N
Fluorene	86-73-7	9.68	5.7	100	N
Diethylphthalate	84-66-2	-	< 5.0	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 5.0	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 54.0	-	N
4-Nitroaniline	100-01-6	-	< 5.0	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 5.0	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 5.0	-	N
Hexachlorobenzene	118-74-1	-	< 5.0	-	N
Pentachlorophenol	87-86-5	-	< 54.0	-	N
Phenanthrene	85-01-8	11.07	38.2	100	N
Anthracene	120-12-7	11.15	13.0	100	N
Di-n-butylphthalate	84-74-2	-	< 5.0	-	N
Fluoranthene	206-44-0	12.91	67.9	100	N
Pyrene	129-00-0	13.26	58.0	100	N
Butylbenzylphthalate	85-68-7	-	< 5.0	-	N
Benzo[a]anthracene	56-55-3	15.17	26.7	100	N
Chrysene	218-01-9	15.23	21.0	100	N
3,3'-Dichlorobenzidine	91-94-1	-	< 22.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 5.0	-	N
Di-n-octylphthalate	117-84-0	-	< 2.0	-	N
Benzo[b]fluoranthene	205-99-2	16.78	28.6	100	N
Benzo[k]fluoranthene	207-08-9	16.82	12.6	100	N
Benzo[a]pyrene	50-32-8	17.23	23.8	100	N
Indeno[1,2,3-cd]pyrene	193-39-5	18.65	13.6	100	N
Dibenzo[a,h]anthracene	53-70-3	18.67	3.7	100	N
Benzo[g,h,i]perylene	191-24-2	19.00	12.7	100	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	84
Naphthalene-d8	83
Acenaphthene-d10	85
Phenanthrene-d10	85
Chrysene-d12	87
Perylene-d12	90

This analysis was conducted on an 'As Recieved' basis.

Surrogates	% Rec
2-Fluorophenol	77
Phenol-d5	78
Nitrobenzene-d5	77
2-Fluorobiphenyl	79
2,4,6-Tribromophenol	82
Terphenyl-d14	81

Semi-Volatile Organic Compounds

Accredited?: No

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn			Matrix:	Soil	QC Batch Number:	2222
Sample Details:	BH109 ES 1 0.30	Date Booked in:	16-Oct-10	Ext Method:	Ultrasonic	Multiplier:	0.2
LIMS ID Number:	CL1030874	Date Extracted:	21-Oct-10	Operator:	SO	Dilution Factor:	1
Job Number:	S10_7034M	Date Analysed:	23-Oct-10	Directory/Quant File:	22SVOC.MS16\ 1022_CCC3.D	GPC (Y/N)	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 2.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 0.6	-	N
2-Chlorophenol	95-57-8	-	< 2.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 0.6	-	N
1,4-Dichlorobenzene	106-46-7	-	< 0.6	-	N
Benzyl alcohol	100-51-6	-	< 0.6	-	N
1,2-Dichlorobenzene	95-50-1	-	< 0.6	-	N
2-Methylphenol	95-48-7	-	< 0.6	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.6	-	N
Hexachloroethane	67-72-1	-	< 0.6	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.6	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 2.0	-	N
Nitrobenzene	98-95-3	-	< 0.6	-	N
Isophorone	78-59-1	-	< 0.6	-	N
2-Nitrophenol	88-75-5	-	< 2.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 2.0	-	N
Benzoic Acid	65-85-0 *	-	< 11.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.6	-	N
2,4-Dichlorophenol	120-83-2	-	< 2.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 0.6	-	N
Naphthalene	91-20-3	-	< 0.2	-	N
4-Chlorophenol	106-48-9	-	< 2.0	-	N
4-Chloroaniline	106-47-8 *	-	< 0.6	-	N
Hexachlorobutadiene	87-68-3	-	< 0.6	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 0.6	-	N
2-Methylnaphthalene	91-57-6	-	< 0.2	-	N
1-Methylnaphthalene	90-12-0	-	< 0.2	-	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.6	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 2.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 2.0	-	N
2-Chloronaphthalene	91-58-7	-	< 0.2	-	N
Biphenyl	92-52-4	-	< 0.2	-	N
Diphenyl ether	101-84-8	-	< 0.2	-	N
2-Nitroaniline	88-74-4	-	< 0.6	-	N
Acenaphthylene	208-96-8	-	< 0.2	-	N
Dimethylphthalate	131-11-3	-	< 0.6	-	N
2,6-Dinitrotoluene	606-20-2	-	< 0.6	-	N
Acenaphthene	83-32-9	-	< 0.2	-	N
3-Nitroaniline	99-09-2	-	< 0.6	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 1.0	-	N
Dibenzofuran	132-64-9	-	< 0.6	-	N
4-Nitrophenol	100-02-7	-	< 6.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 0.6	-	N
Fluorene	86-73-7	-	< 0.2	-	N
Diethylphthalate	84-66-2	-	< 0.6	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.6	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 6.0	-	N
4-Nitroaniline	100-01-6	-	< 0.6	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.6	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 0.6	-	N
Hexachlorobenzene	118-74-1	-	< 0.6	-	N
Pentachlorophenol	87-86-5	-	< 6.0	-	N
Phenanthrene	85-01-8	-	< 0.2	-	N
Anthracene	120-12-7	-	< 0.2	-	N
Di-n-butylphthalate	84-74-2	-	< 0.6	-	N
Fluoranthene	206-44-0	-	< 0.2	-	N
Pyrene	129-00-0	-	< 0.2	-	N
Butylbenzylphthalate	85-68-7	-	< 0.6	-	N
Benzo[a]anthracene	56-55-3	-	< 0.2	-	N
Chrysene	218-01-9	-	< 0.2	-	N
3,3'-Dichlorobenzidine	91-94-1	-	< 2.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.6	-	N
Di-n-octylphthalate	117-84-0	-	< 0.2	-	N
Benzo[b]fluoranthene	205-99-2	-	< 0.2	-	N
Benzo[k]fluoranthene	207-08-9	-	< 0.2	-	N
Benzo[a]pyrene	50-32-8	-	< 0.2	-	N
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.2	-	N
Dibenzo[a,h]anthracene	53-70-3	-	< 0.2	-	N
Benzo[g,h,i]perylene	191-24-2	-	< 0.2	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	91
Naphthalene-d8	89
Acenaphthene-d10	87
Phenanthrene-d10	83
Chrysene-d12	77
Perylene-d12	76

Surrogates	% Rec
2-Fluorophenol	74
Phenol-d5	73
Nitrobenzene-d5	71
2-Fluorobiphenyl	72
2,4,6-Tribromophenol	68
Terphenyl-d14	77

This analysis was conducted on an 'As Recieved' basis.

Concentrations are reported on a dry weight basis.

Semi-Volatile Organic Compounds

Accredited?: No

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn			Matrix:	Soil	QC Batch Number:	2222
Sample Details:	BH112 ES 3 0.50	Date Booked in:	16-Oct-10	Ext Method:	Ultrasonic	Multiplier:	0.2
LIMS ID Number:	CL1030876	Date Extracted:	18-Oct-10	Operator:	SO	Dilution Factor:	1
Job Number:	S10_7034M	Date Analysed:	23-Oct-10	Directory/Quant File:	22SVOC.MS16\ 1022_CCC3.D	GPC (Y/N)	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 2.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 0.6	-	N
2-Chlorophenol	95-57-8	-	< 2.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 0.6	-	N
1,4-Dichlorobenzene	106-46-7	-	< 0.6	-	N
Benzyl alcohol	100-51-6	-	< 0.6	-	N
1,2-Dichlorobenzene	95-50-1	-	< 0.6	-	N
2-Methylphenol	95-48-7	-	< 0.6	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.6	-	N
Hexachloroethane	67-72-1	-	< 0.6	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.6	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 2.0	-	N
Nitrobenzene	98-95-3	-	< 0.6	-	N
Isophorone	78-59-1	-	< 0.6	-	N
2-Nitrophenol	88-75-5	-	< 2.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 2.0	-	N
Benzoic Acid	65-85-0 *	-	< 11.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.6	-	N
2,4-Dichlorophenol	120-83-2	-	< 2.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 0.6	-	N
Naphthalene	91-20-3	-	< 0.2	-	N
4-Chlorophenol	106-48-9	-	< 2.0	-	N
4-Chloroaniline	106-47-8 *	-	< 0.6	-	N
Hexachlorobutadiene	87-68-3	-	< 0.6	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 0.6	-	N
2-Methylnaphthalene	91-57-6	-	< 0.2	-	N
1-Methylnaphthalene	90-12-0	-	< 0.2	-	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.6	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 2.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 2.0	-	N
2-Chloronaphthalene	91-58-7	-	< 0.2	-	N
Biphenyl	92-52-4	-	< 0.2	-	N
Diphenyl ether	101-84-8	-	< 0.2	-	N
2-Nitroaniline	88-74-4	-	< 0.6	-	N
Acenaphthylene	208-96-8	-	< 0.2	-	N
Dimethylphthalate	131-11-3	-	< 0.6	-	N
2,6-Dinitrotoluene	606-20-2	-	< 0.6	-	N
Acenaphthene	83-32-9	-	< 0.2	-	N
3-Nitroaniline	99-09-2	-	< 0.6	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 1.0	-	N
Dibenzofuran	132-64-9	-	< 0.6	-	N
4-Nitrophenol	100-02-7	-	< 6.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 0.6	-	N
Fluorene	86-73-7	-	< 0.2	-	N
Diethylphthalate	84-66-2	-	< 0.6	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.6	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 6.0	-	N
4-Nitroaniline	100-01-6	-	< 0.6	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.6	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 0.6	-	N
Hexachlorobenzene	118-74-1	-	< 0.6	-	N
Pentachlorophenol	87-86-5	-	< 6.0	-	N
Phenanthrene	85-01-8	-	< 0.2	-	N
Anthracene	120-12-7	-	< 0.2	-	N
Di-n-butylphthalate	84-74-2	-	< 0.6	-	N
Fluoranthene	206-44-0	-	< 0.2	-	N
Pyrene	129-00-0	-	< 0.2	-	N
Butylbenzylphthalate	85-68-7	-	< 0.6	-	N
Benzo[a]anthracene	56-55-3	-	< 0.2	-	N
Chrysene	218-01-9	-	< 0.2	-	N
3,3'-Dichlorobenzidine	91-94-1	-	< 2.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	15.35	1.3	100	N
Di-n-octylphthalate	117-84-0	-	< 0.2	-	N
Benzo[b]fluoranthene	205-99-2	-	< 0.2	-	N
Benzo[k]fluoranthene	207-08-9	-	< 0.2	-	N
Benzo[a]pyrene	50-32-8	-	< 0.2	-	N
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.2	-	N
Dibenzo[a,h]anthracene	53-70-3	-	< 0.2	-	N
Benzo[g,h,i]perylene	191-24-2	-	< 0.2	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	93
Naphthalene-d8	94
Acenaphthene-d10	94
Phenanthrene-d10	94
Chrysene-d12	89
Perylene-d12	89

Surrogates	% Rec
2-Fluorophenol	77
Phenol-d5	73
Nitrobenzene-d5	72
2-Fluorobiphenyl	71
2,4,6-Tribromophenol	72
Terphenyl-d14	77

This analysis was conducted on an 'As Recieved' basis.

Concentrations are reported on a dry weight basis.

Gasoline Range Organics (BTEX and Aliphatic Carbon Ranges)

Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7034
Directory: D:\TES\DATA\Y2010\1020HSA_GC12\102010H 2010-10-22 05-48-06\243B1801.D
Method: Headspace GCFID
Accreditation Code: N

Matrix: Soil
Date Booked in: 16-Oct-10
Date extracted: 20-Oct-10
Date Analysed: 22-Oct-10, 11:18

Sample ID	Client ID	Concentration, (mg/kg) - as dry weight.					Aliphatics				
		Benzene	Toluene	Ethyl benzene	m/p-Xylene	o-Xylene	C5 - C6	>C6 - C7	>C7 - C8	>C8 - C10	Total GRO
* CL1030868	BH102 ES 3 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030869	BH102 ES 12 3.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.3	<0.3	<0.3	<0.3	<0.3
* CL1030870	BH106 ES 3 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030871	BH107 ES 5 1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030872	BH108 ES 1 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030873	BH108 ES 9 2.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030874	BH109 ES 1 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030875	BH109 ES 8 2.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030876	BH112 ES 3 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030877	BH113 ES 2 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030878	BH404 ES 3 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030879	BH404 ES 8 2.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030880	BH405 ES 5 1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030881	BH405 ES 8 2.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030882	BH406 ES 1 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030883	BH406 ES 8 2.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2

Note: Benzene elutes between C6 and C7, toluene elutes between C7 and C8, ethyl benzene and the xylenes elute between C8 and C9.

Xylenes have been deducted from the C8-C10 band to give the aliphatic fraction, however aromatic compounds may still be contributing to this fraction.

ALIPHATIC / AROMATIC FRACTION BY GC/FID

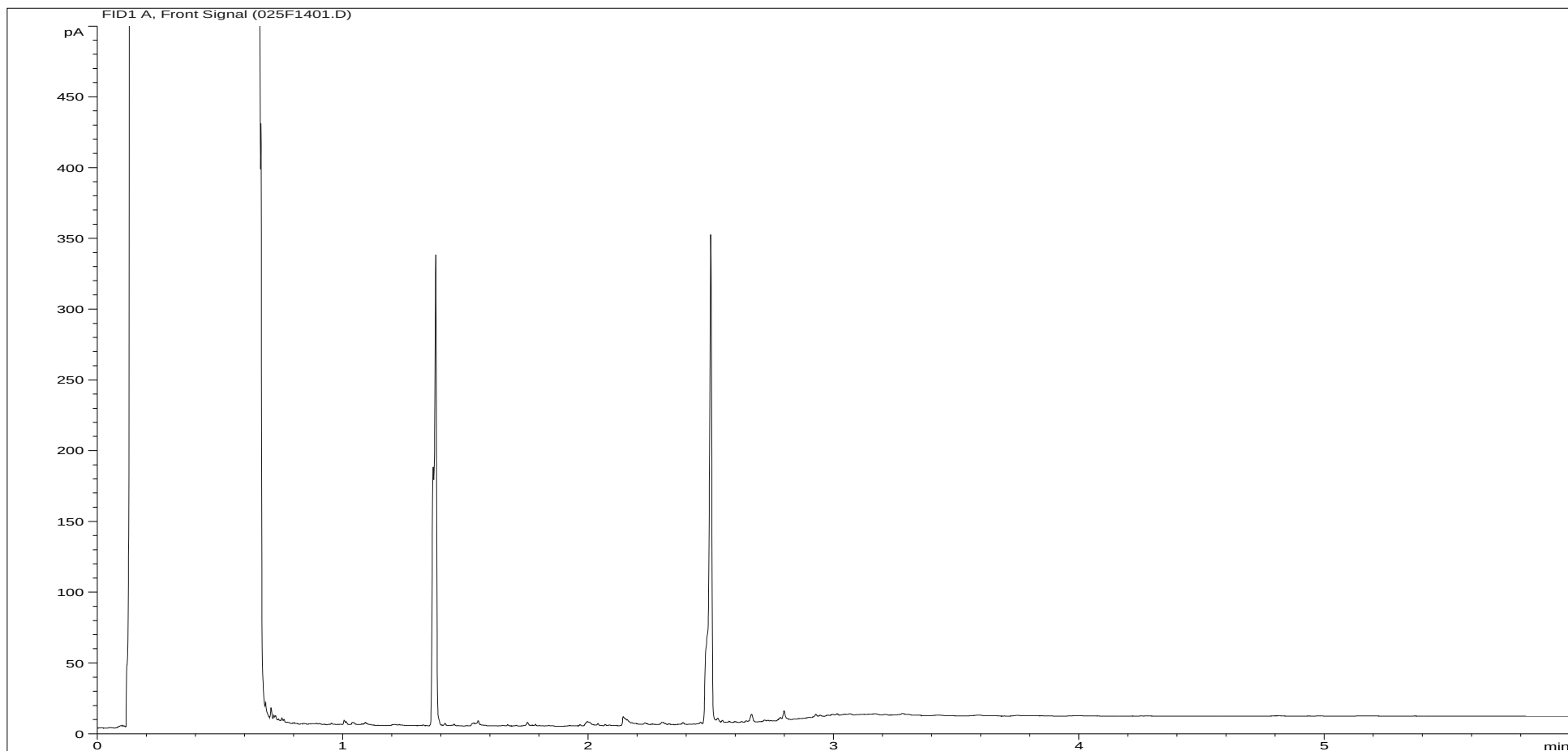
Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7034
QC Batch Number: 102251
Directory: D:\TES\DATA\Y2010\1027TPH_GC3\076B1501.D
Method: Ultra Sonic

Separation: Silica gel
Eluents: Hexane, DCM

Matrix: Soil
Date Booked in: 16-Oct-10
Date Extracted: 26-Oct-10
Date Analysed: 27-Oct-10

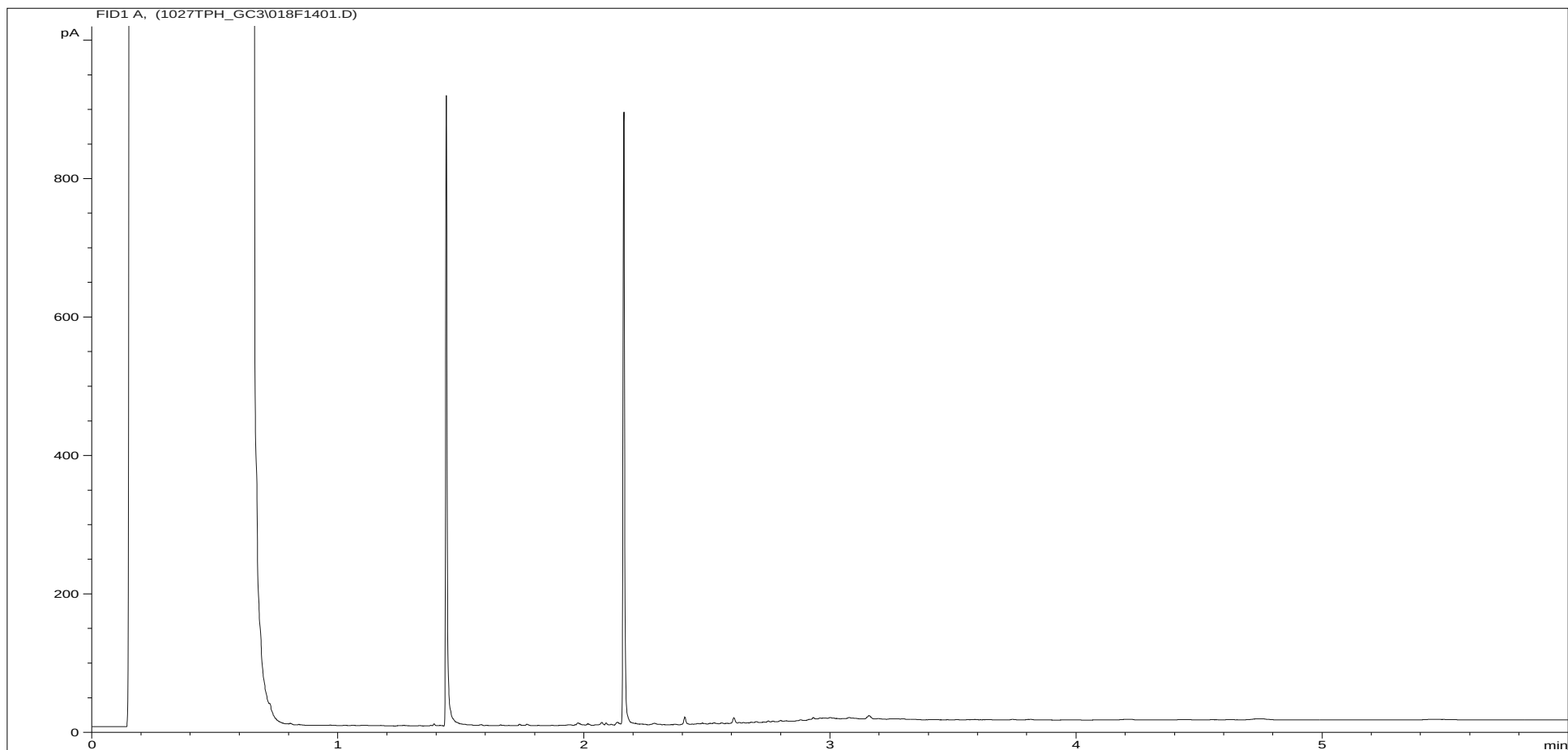
This sample data is not accredited.		Concentration, (mg/kg) - as dry weight.											
		>C8 - C10		>C10 - C12		>C12 - C16		>C16 - C21		>C21 - C35		>C8 - C40	
Sample ID	Client ID	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics
CL1030868	BH102 ES 3 0.50	<5	<5	<5	<5	<5	<5	<5	<5	12	12.4	<23	<23
CL1030869	BH102 ES 12 3.00	<5	<5	<5	<5	<5	46	<5	<5	<11.36	<11.36	<26	48.8
CL1030870	BH106 ES 3 0.30	<5	<5	<5	<5	<5	<5	<5	<5	<10.81	12.6	<25	26.3
CL1030871	BH107 ES 5 1.00	<4	<4	<4	<4	<4	<4	<4	<4	<9.85	<9.85	<22	<22
CL1030872	BH108 ES 1 0.30	<4	<4	<4	<4	25.1	32	48.2	208	422	971	738	1610
CL1030873	BH108 ES 9 2.00	<5	<5	<5	<5	<5	<5	<5	12.4	64.6	87	98	129
CL1030874	BH109 ES 1 0.30	<5	<5	<5	<5	<5	<5	4.75	<5	25.6	18.5	35.8	31.3
CL1030875	BH109 ES 8 2.00	<5	<5	<5	<5	7.93	<5	15.1	4.91	44.3	16.4	70	26.3
CL1030876	BH112 ES 3 0.50	<5	<5	<5	<5	<5	<5	<5	<5	<10.03	<10.03	<23	<23
CL1030877	BH113 ES 2 0.50	<5	<5	<5	<5	<5	<5	<5	<5	<10.12	<10.12	<23	<23
CL1030878	BH404 ES 3 0.50	<4	<4	<4	<4	<4	<4	<4	<4	<9.61	<9.61	<22	<22
CL1030879	BH404 ES 8 2.00	<5	<5	<5	<5	<5	<5	<5	<5	14.9	<10.55	<24	<24
CL1030880	BH405 ES 5 1.00	<5	<5	<5	<5	<5	<5	<5	<5	<10.00	<10.00	<23	<23
CL1030881	BH405 ES 8 2.00	<4	<4	<4	<4	<4	<4	<4	<4	<9.73	<9.73	<22	<22
CL1030882	BH406 ES 1 0.30	<4	<4	<4	<4	<4	<4	<4	<4	<9.82	<9.82	<22	<22
CL1030883	BH406 ES 8 2.00	<5	<5	<5	<5	<5	<5	<5	<5	<9.97	<9.97	<23	<23

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



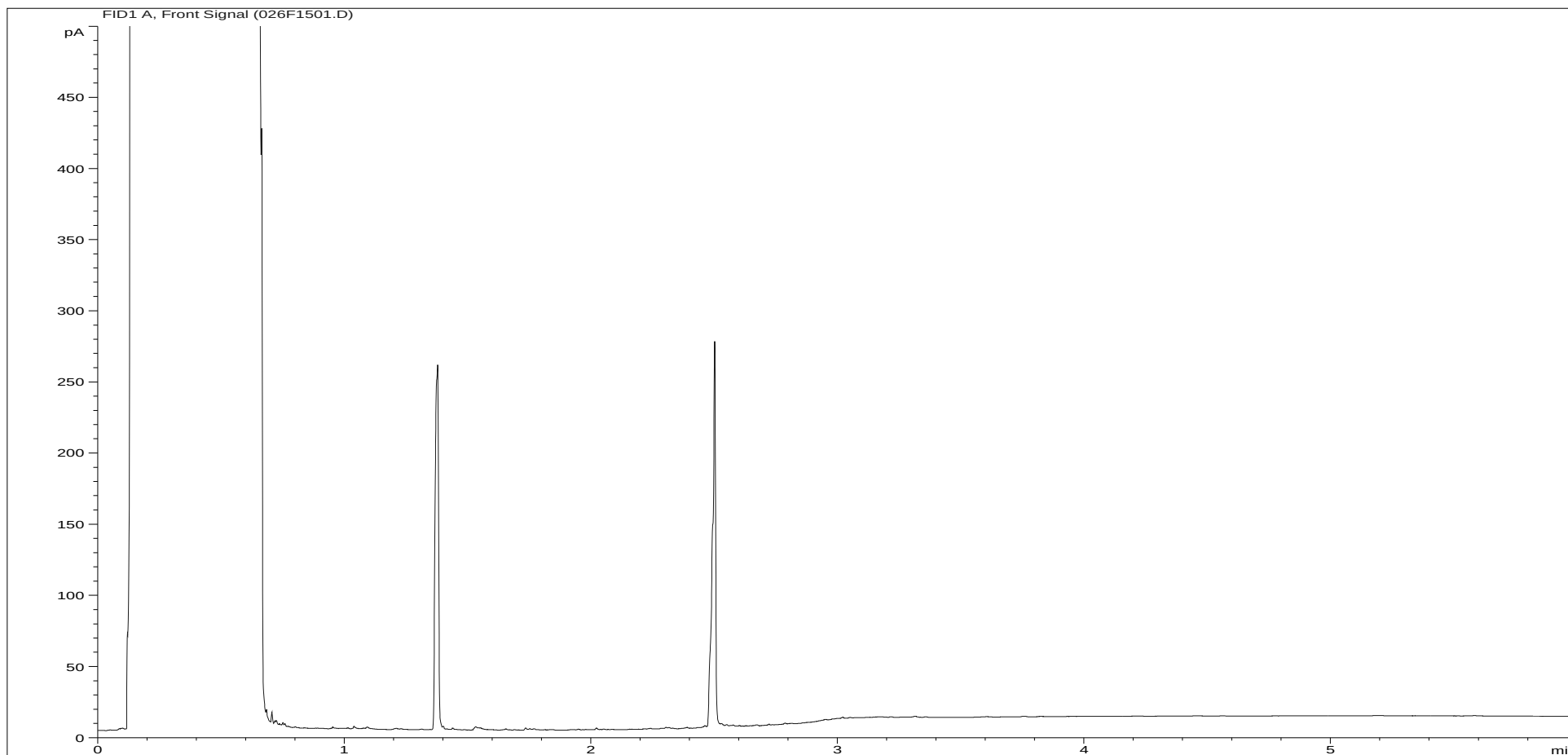
Sample ID:	CL1030868ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH102 ES 3 0.50
Acquisition Date/Time:	27-Oct-10, 10:59:35		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\025F1401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



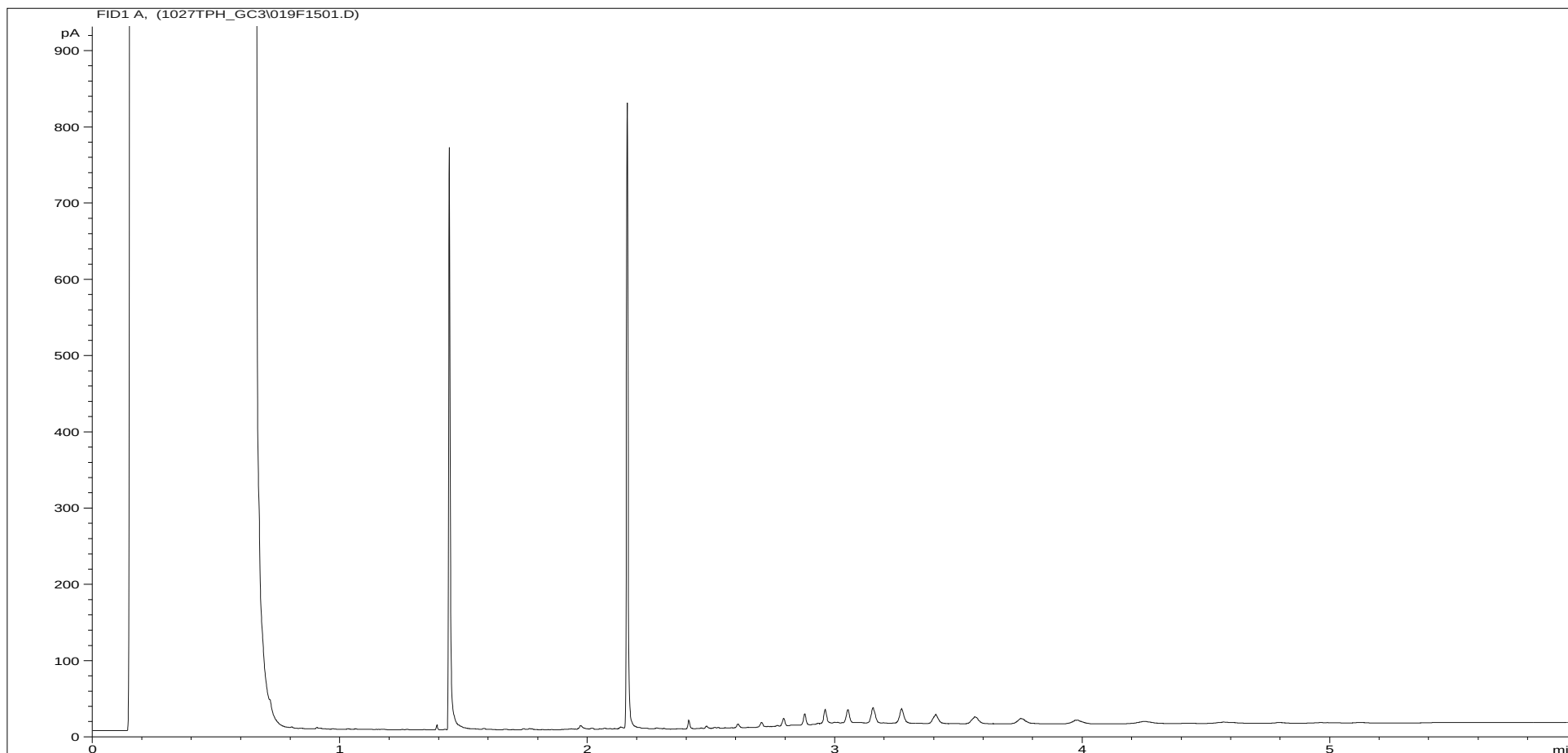
Sample ID:	CL1030868ARO	Job Number:	S10_7034M
Multiplier:	11.4	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH102 ES 3 0.50
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\018F1401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030869ALI	Job Number:	S10_7034M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH102 ES 12 3.00
Acquisition Date/Time:	27-Oct-10, 11:11:29		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\026F1501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030869ARO

Multiplier: 11.4

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 27-Oct-10

Datafile: D:\TES\DATA\Y2010\1027TPH_GC3\019F1501.D

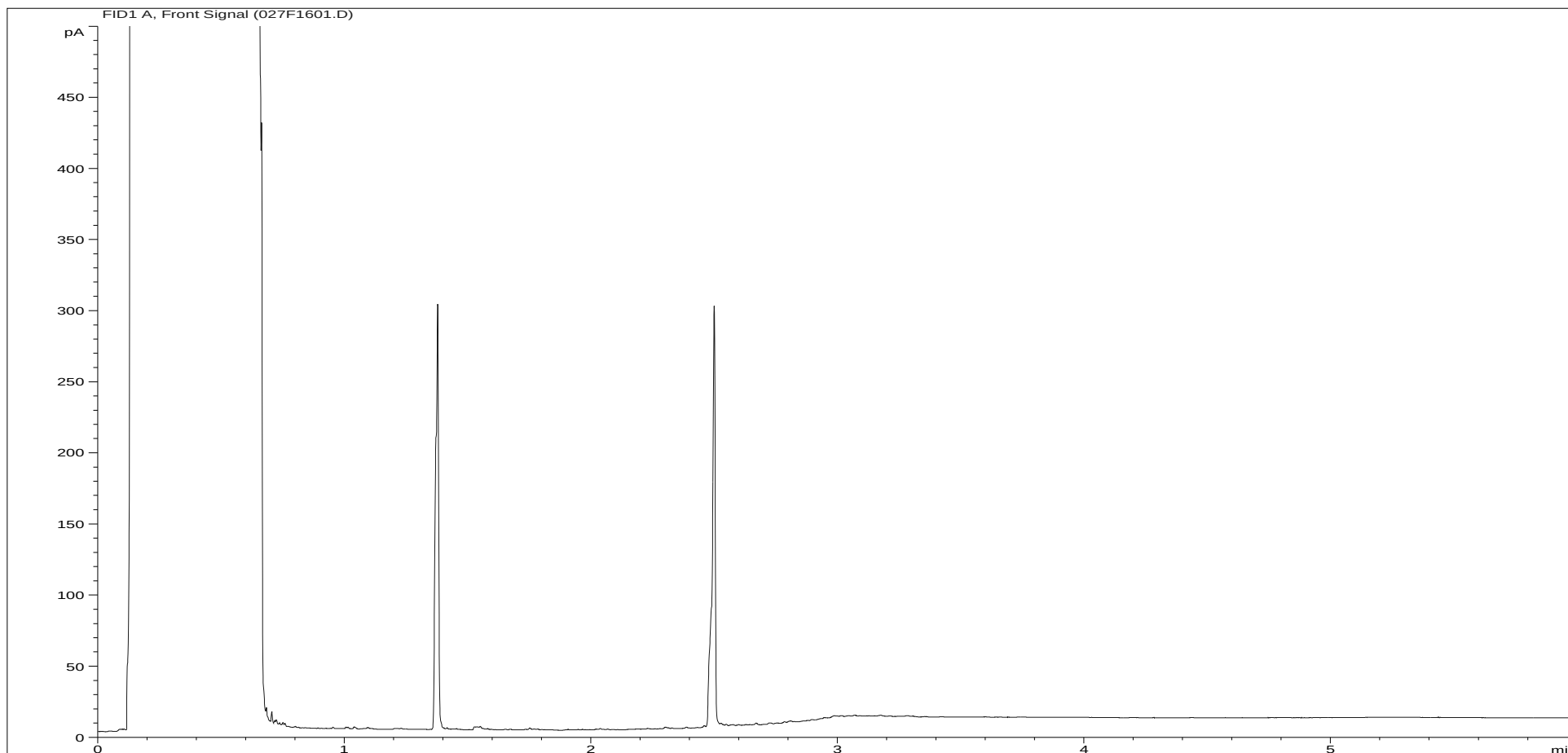
Job Number: S10_7034M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

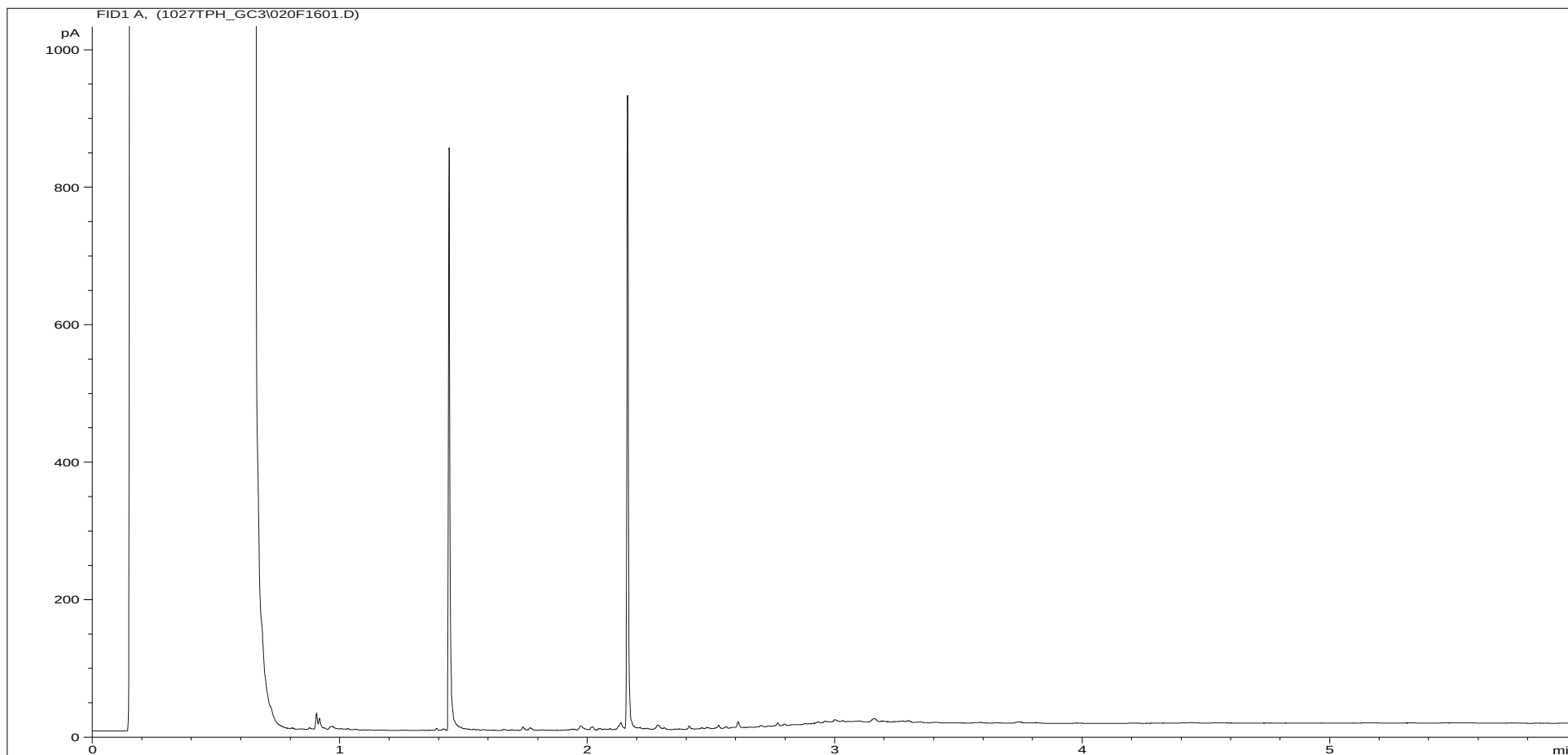
Client Sample Ref: BH102 ES 12 3.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



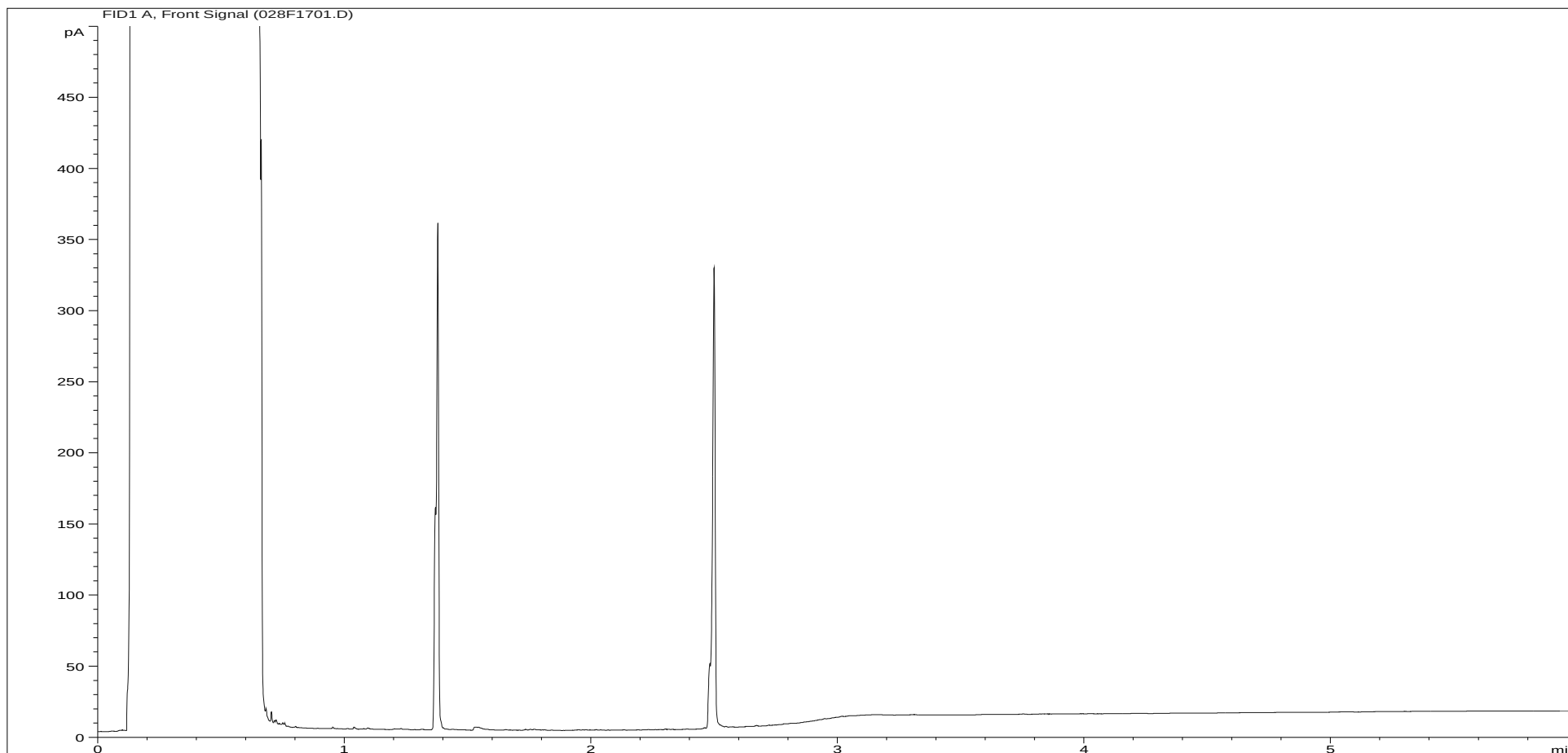
Sample ID:	CL1030870ALI	Job Number:	S10_7034M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH106 ES 3 0.30
Acquisition Date/Time:	27-Oct-10, 11:23:22		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\027F1601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



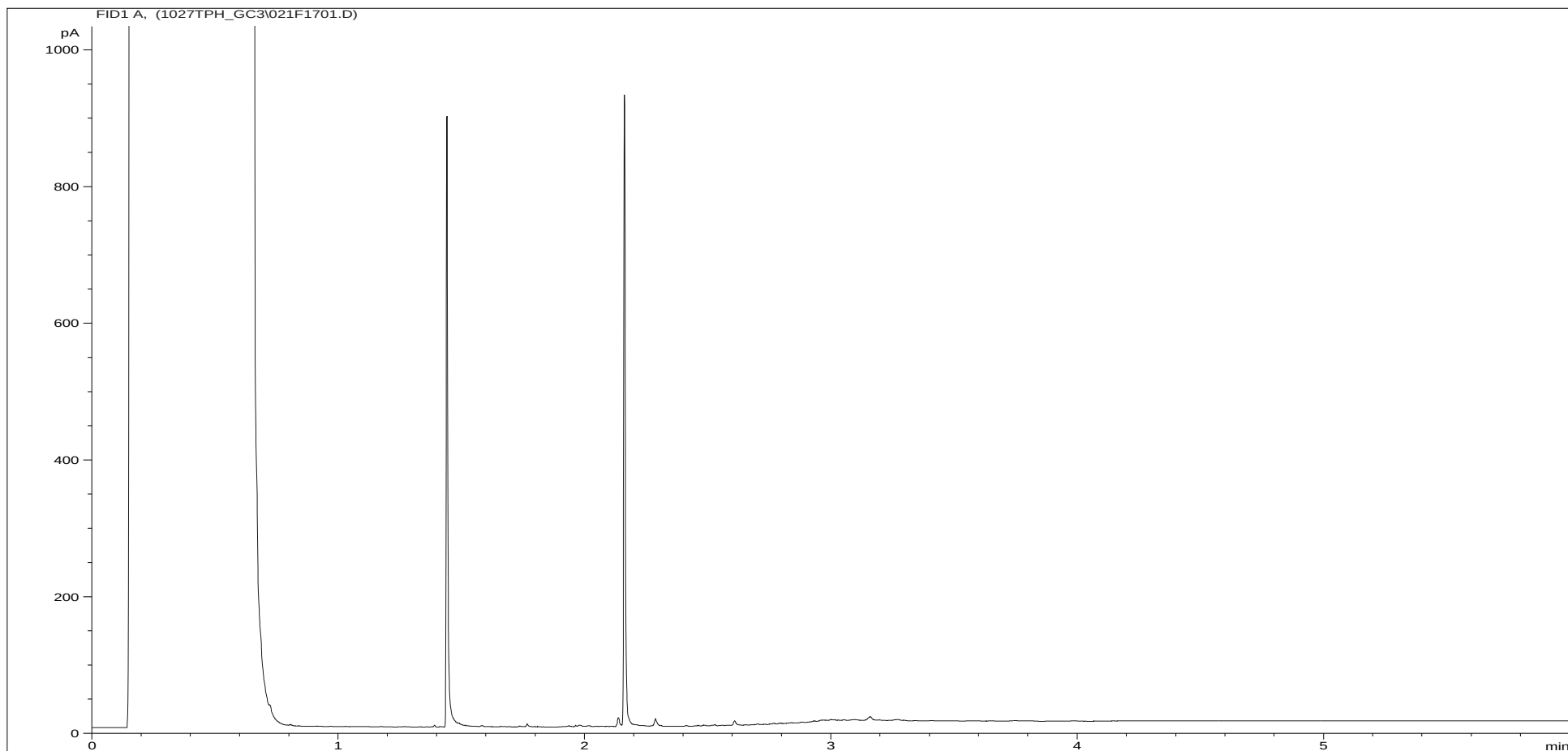
Sample ID:	CL1030870ARO	Job Number:	S10_7034M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH106 ES 3 0.30
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\020F1601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030871ALI	Job Number:	S10_7034M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH107 ES 5 1.00
Acquisition Date/Time:	27-Oct-10, 11:35:17		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\028F1701.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030871ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 27-Oct-10

Datafile: D:\TES\DATA\Y2010\1027TPH_GC3\021F1701.D

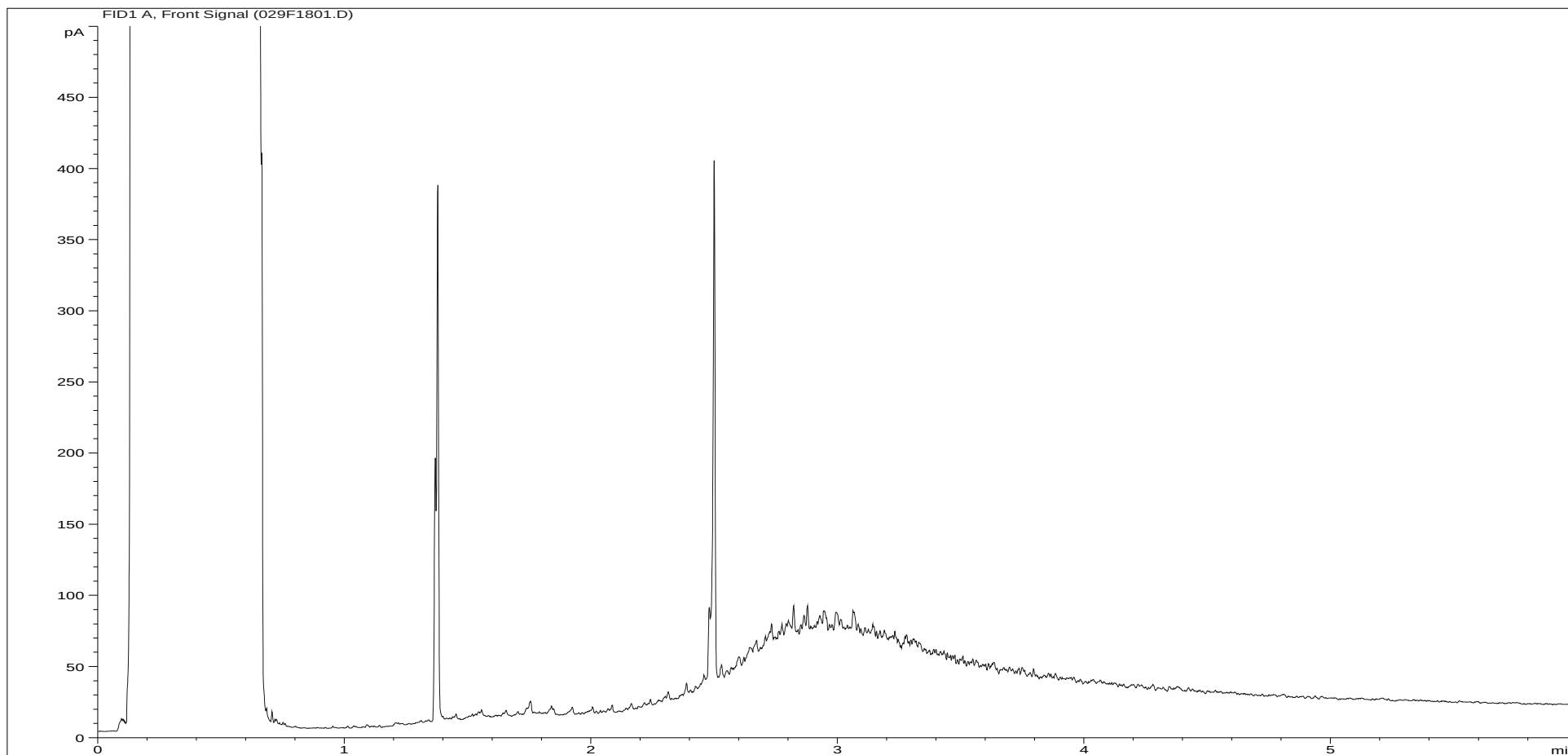
Job Number: S10_7034M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

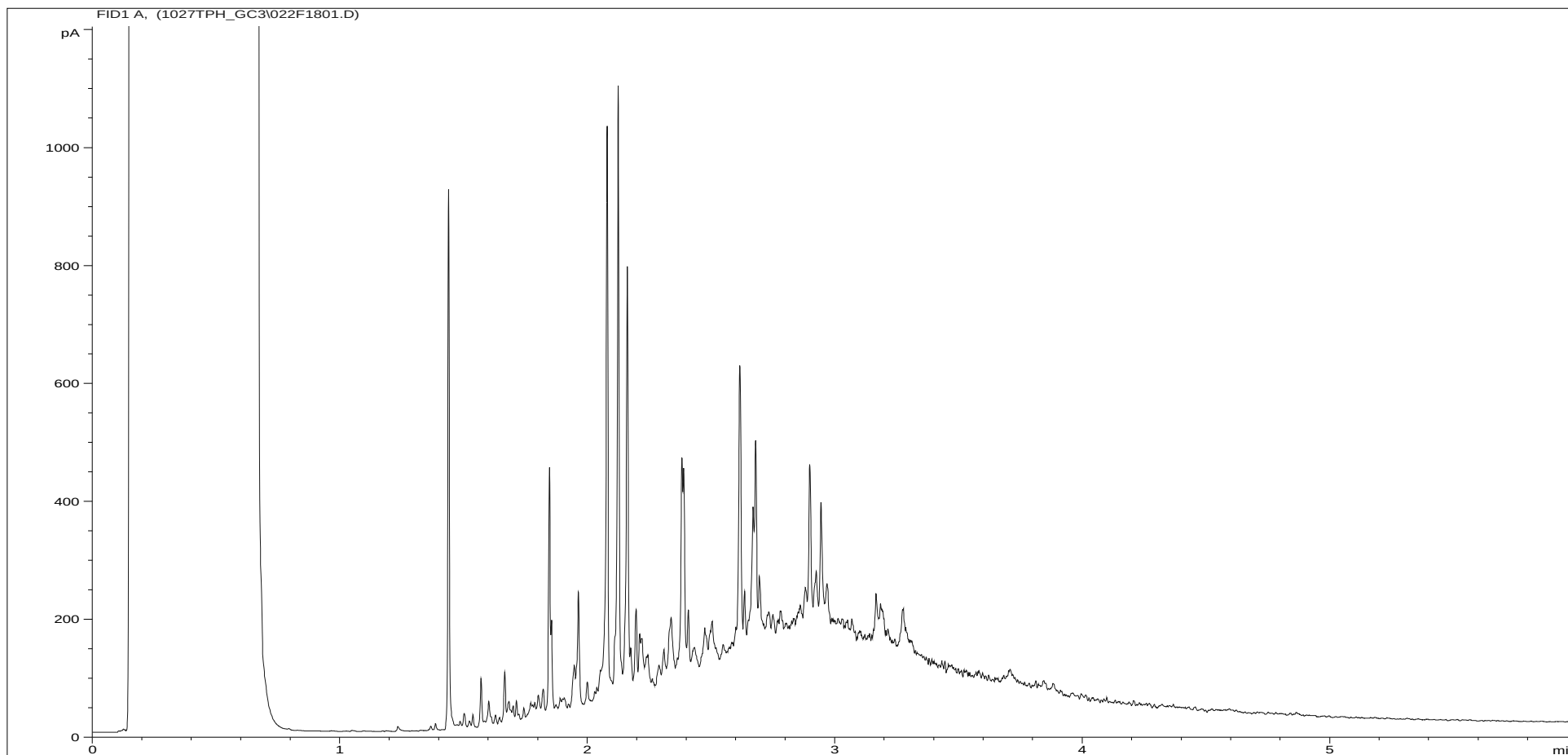
Client Sample Ref: BH107 ES 5 1.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030872ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH108 ES 1 0.30
Acquisition Date/Time:	27-Oct-10, 11:47:03		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\029F1801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030872ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 27-Oct-10

Datafile: D:\TES\DATA\Y2010\1027TPH_GC3\022F1801.D

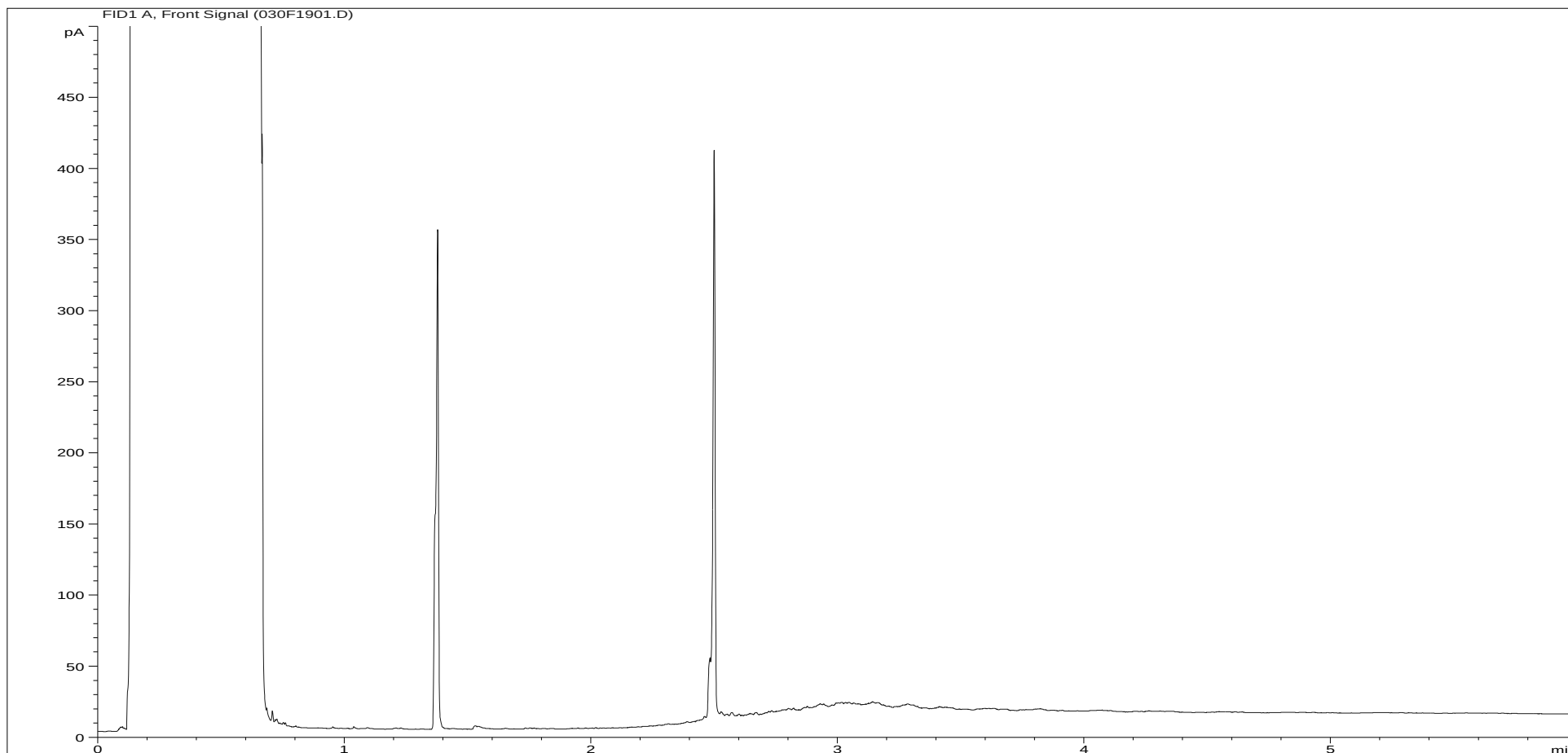
Job Number: S10_7034M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

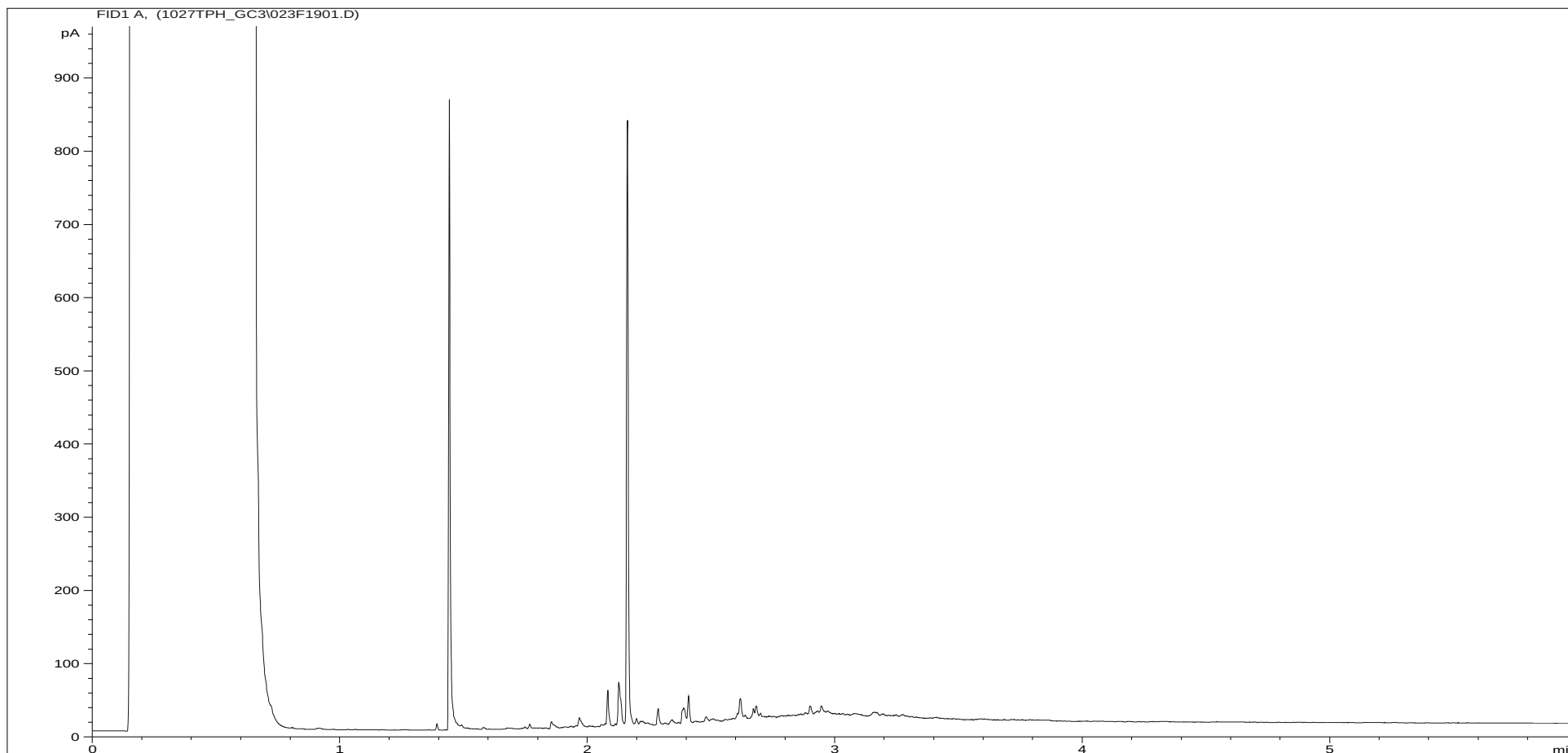
Client Sample Ref: BH108 ES 1 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030873ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH108 ES 9 2.00
Acquisition Date/Time:	27-Oct-10, 11:58:56		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\030F1901.D		

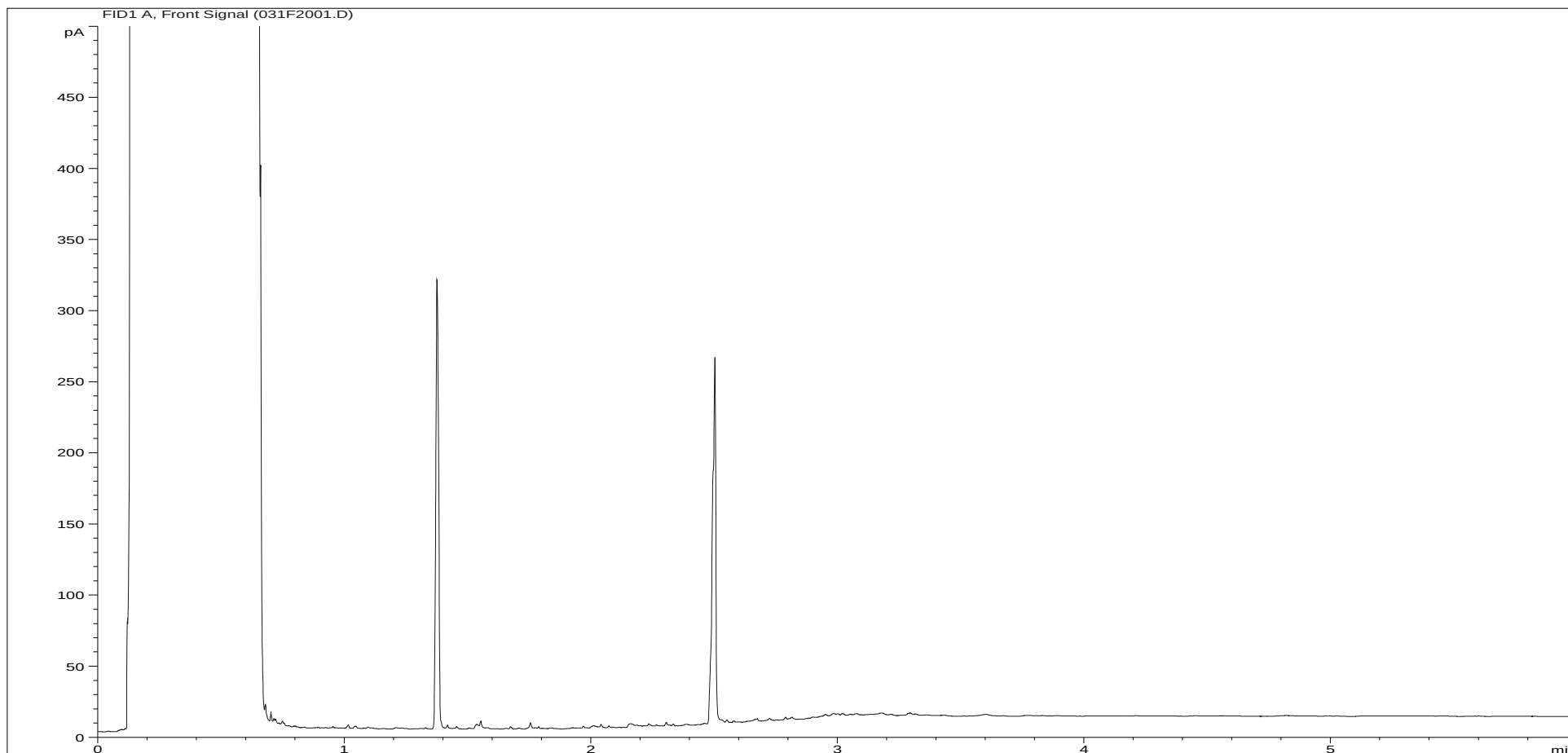
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030873ARO
Multiplier: 11.02
Dilution: 1
Acquisition Method: 5UL_RUNF.M
Acquisition Date/Time: 27-Oct-10
Datafile: D:\TES\DATA\Y2010\1027TPH_GC3\023F1901.D

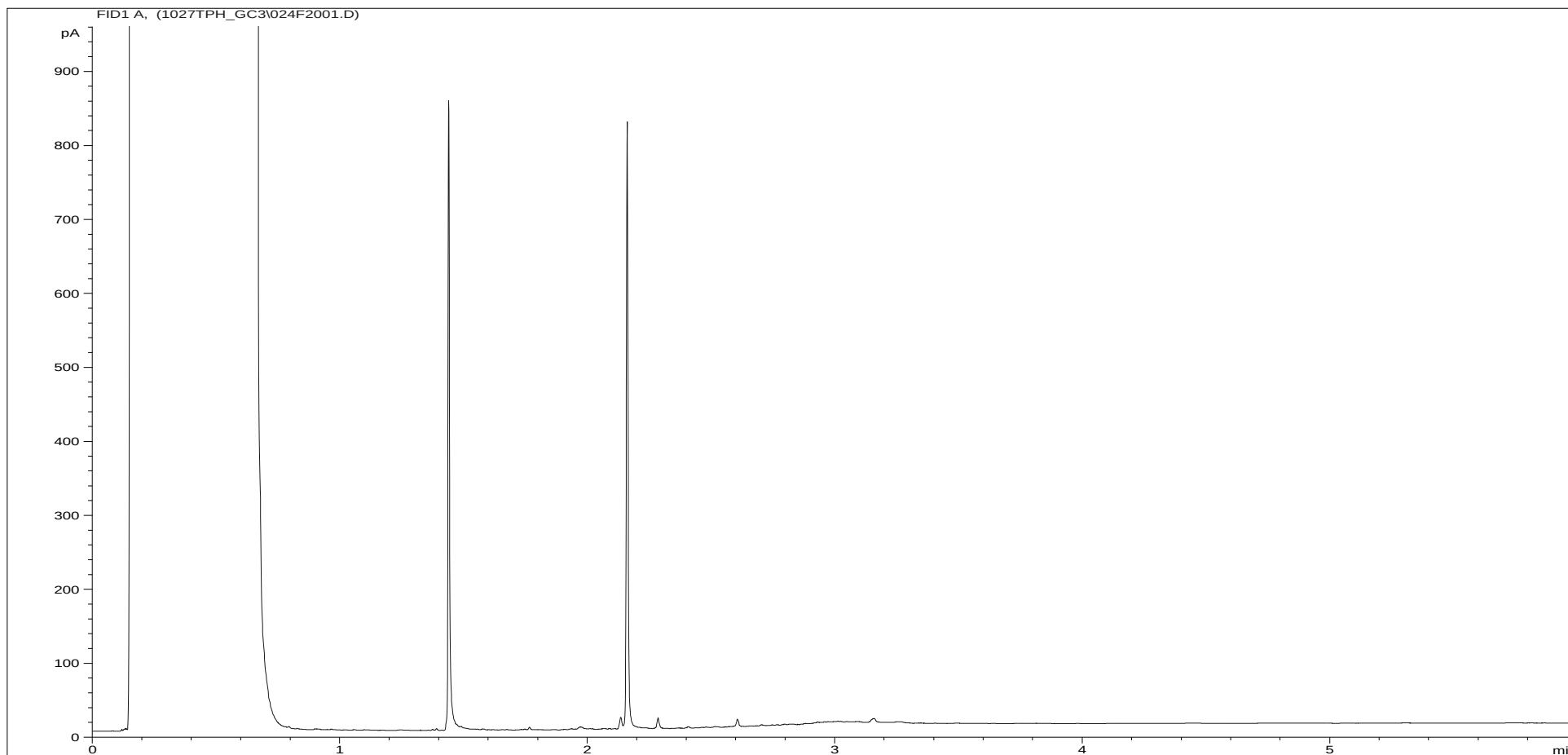
Job Number: S10_7034M
Client: Soil Mechanics
Site: Ferrybridge Multifuel PowerStn
Client Sample Ref: BH108 ES 9 2.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



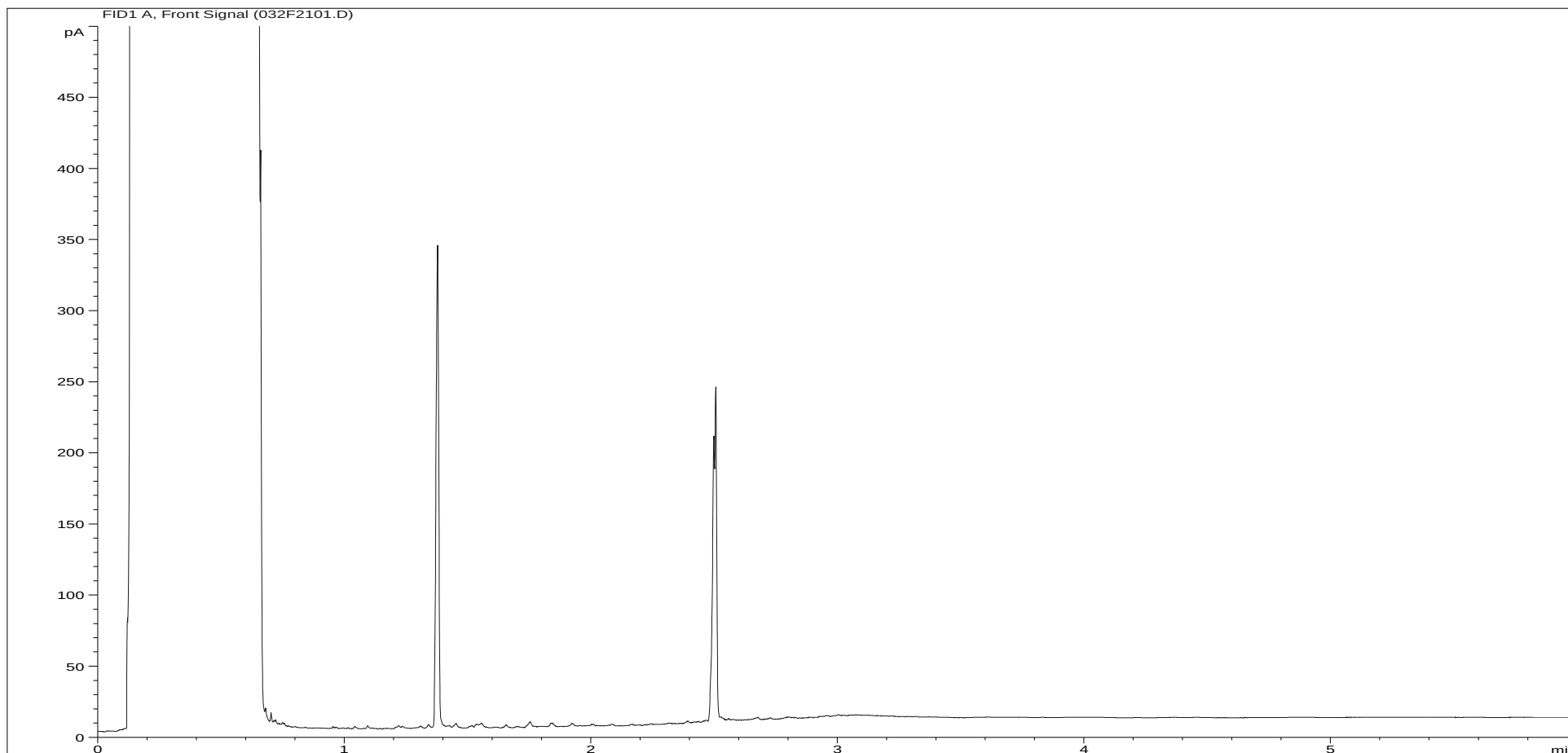
Sample ID:	CL1030874ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH109 ES 1 0.30
Acquisition Date/Time:	27-Oct-10, 12:10:48		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\031F2001.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



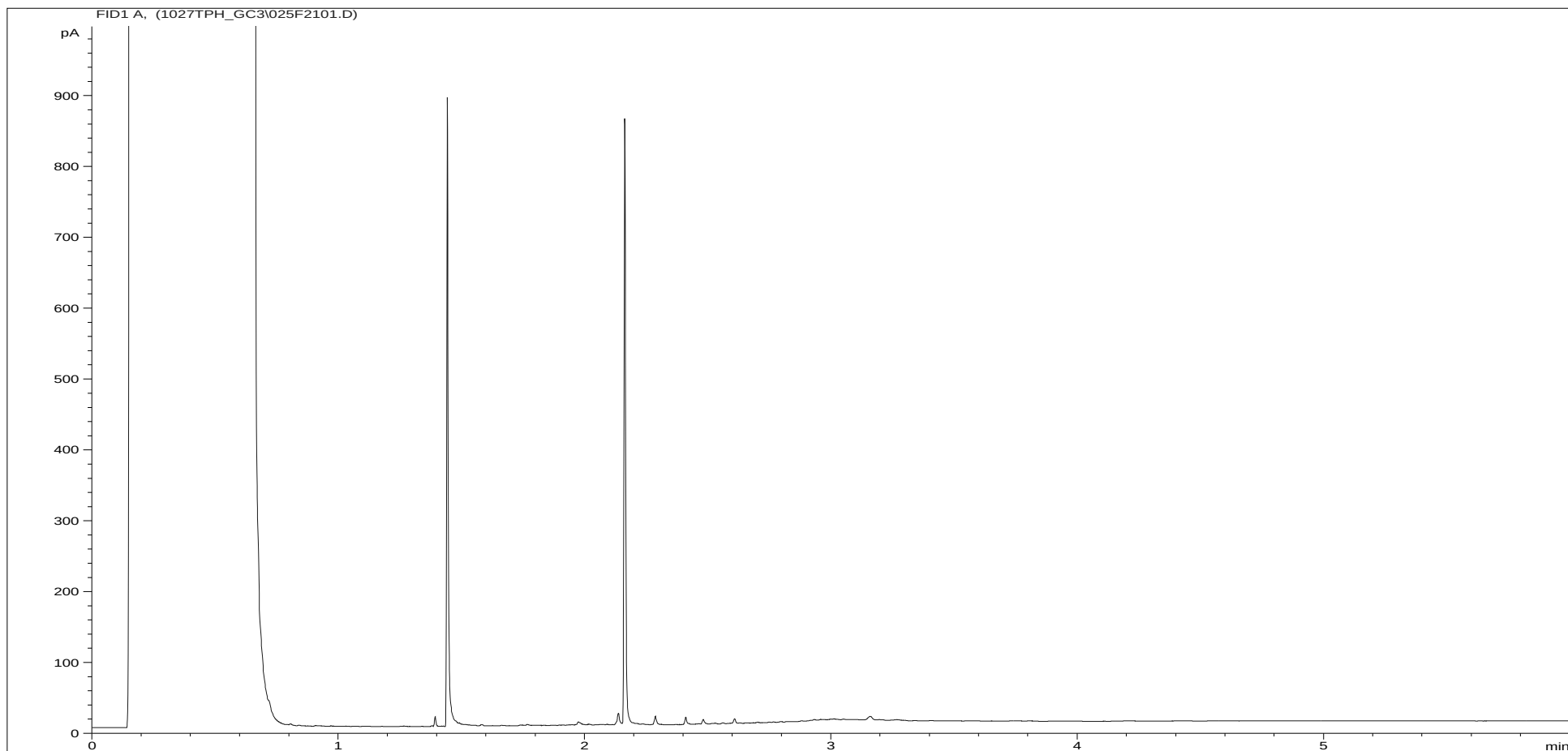
Sample ID:	CL1030874ARO	Job Number:	S10_7034M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH109 ES 1 0.30
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\024F2001.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



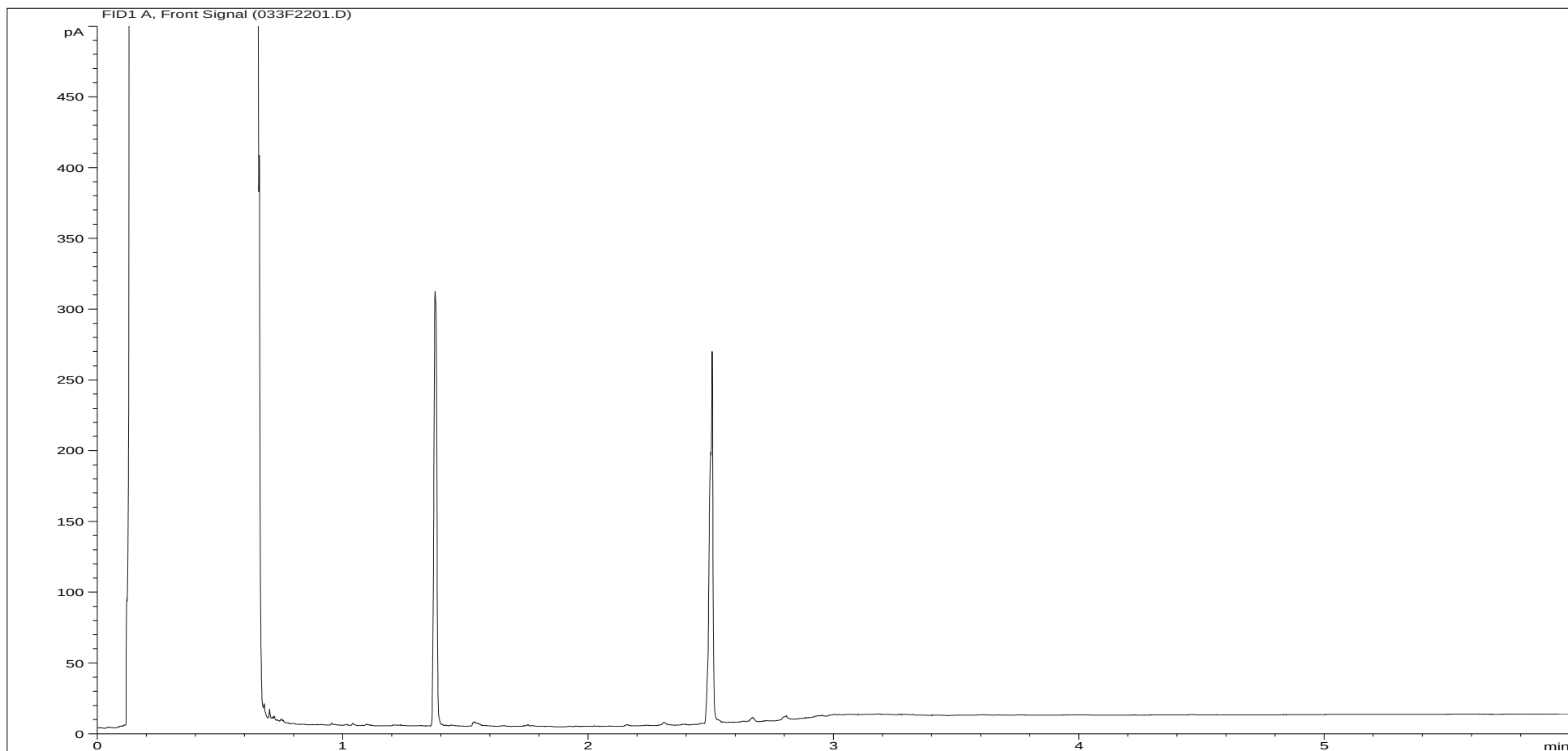
Sample ID:	CL1030875ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH109 ES 8 2.00
Acquisition Date/Time:	27-Oct-10, 12:22:41		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\032F2101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



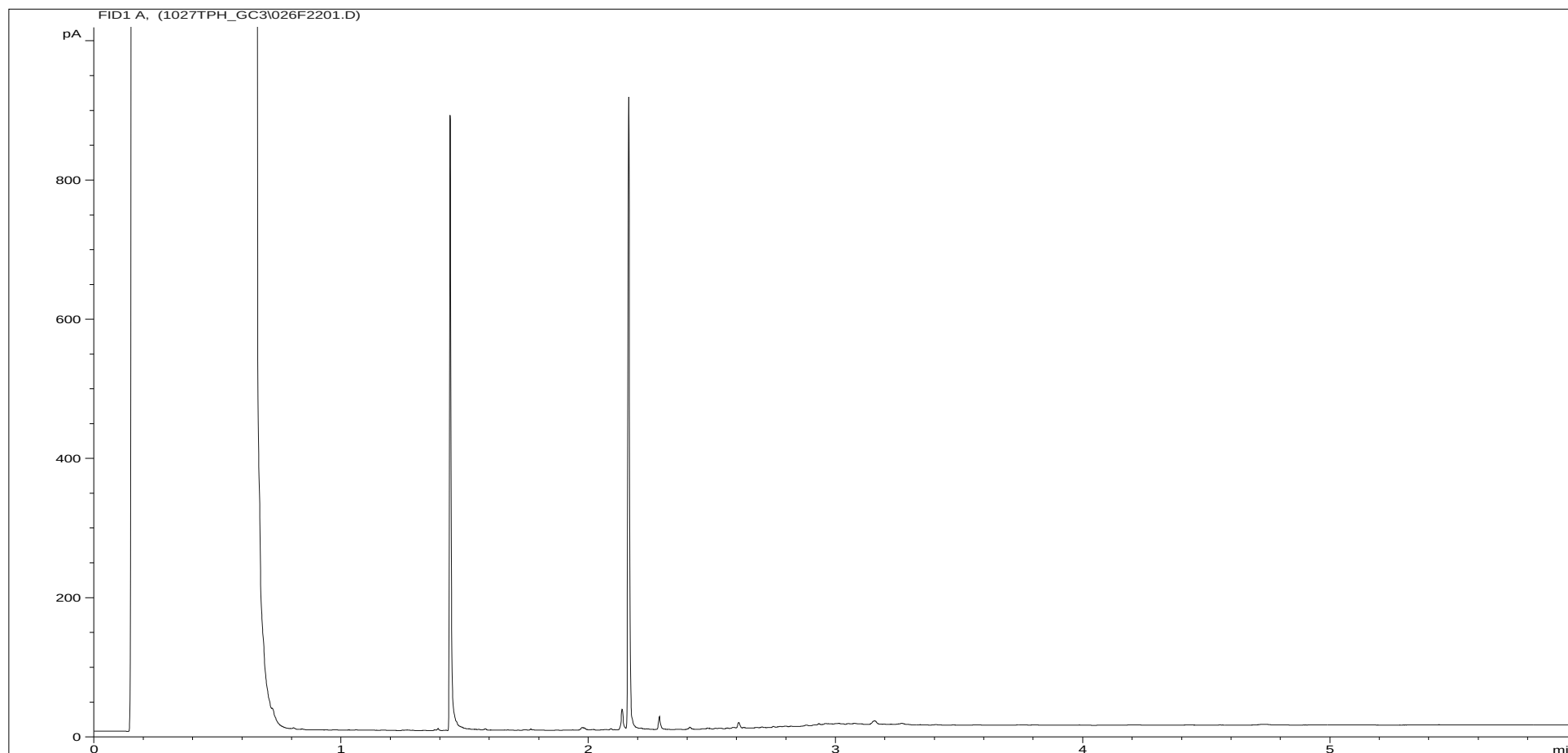
Sample ID:	CL1030875ARO	Job Number:	S10_7034M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH109 ES 8 2.00
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\025F2101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030876ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH112 ES 3 0.50
Acquisition Date/Time:	27-Oct-10, 12:34:35		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\033F2201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030876ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 27-Oct-10

Datafile: D:\TES\DATA\Y2010\1027TPH_GC3\026F2201.D

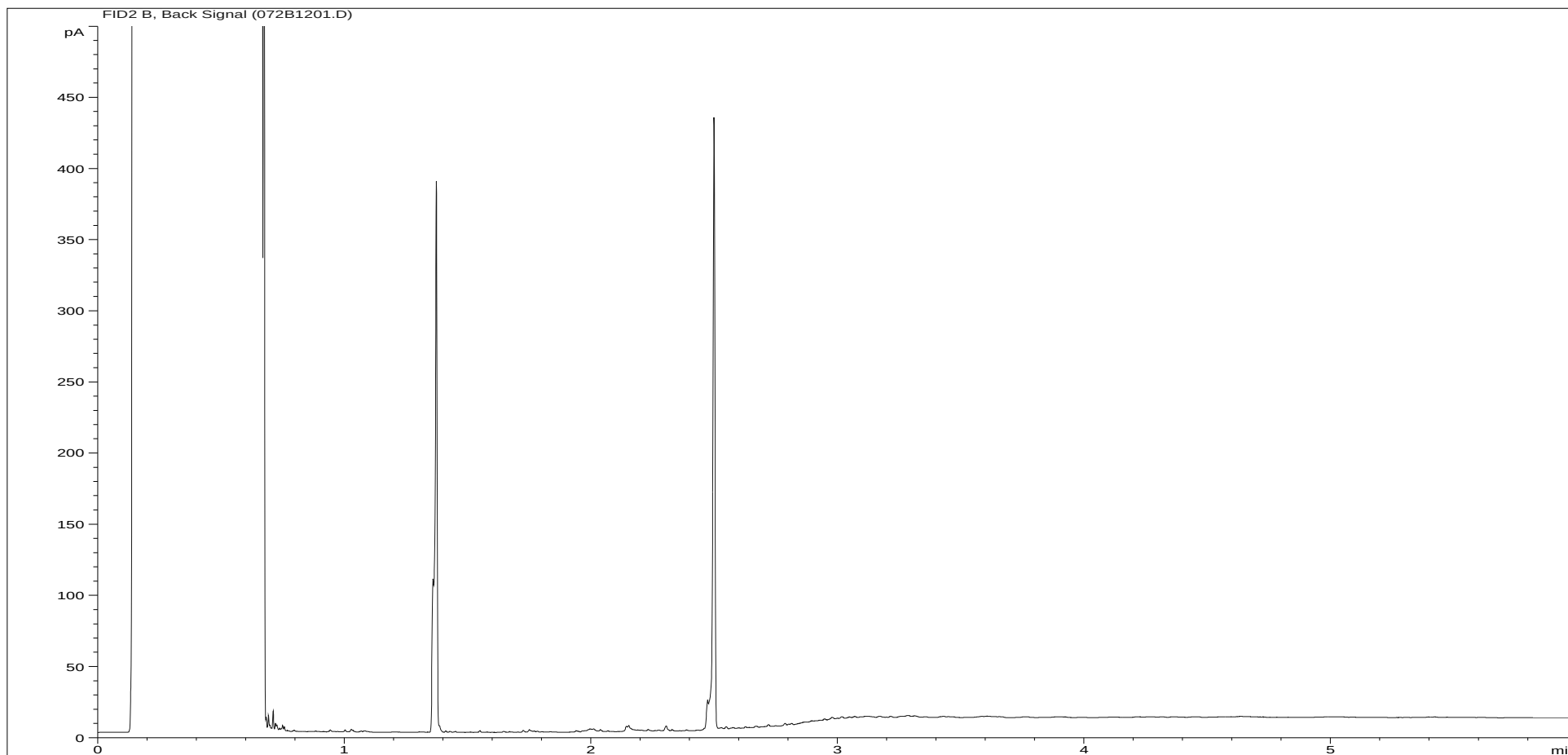
Job Number: S10_7034M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

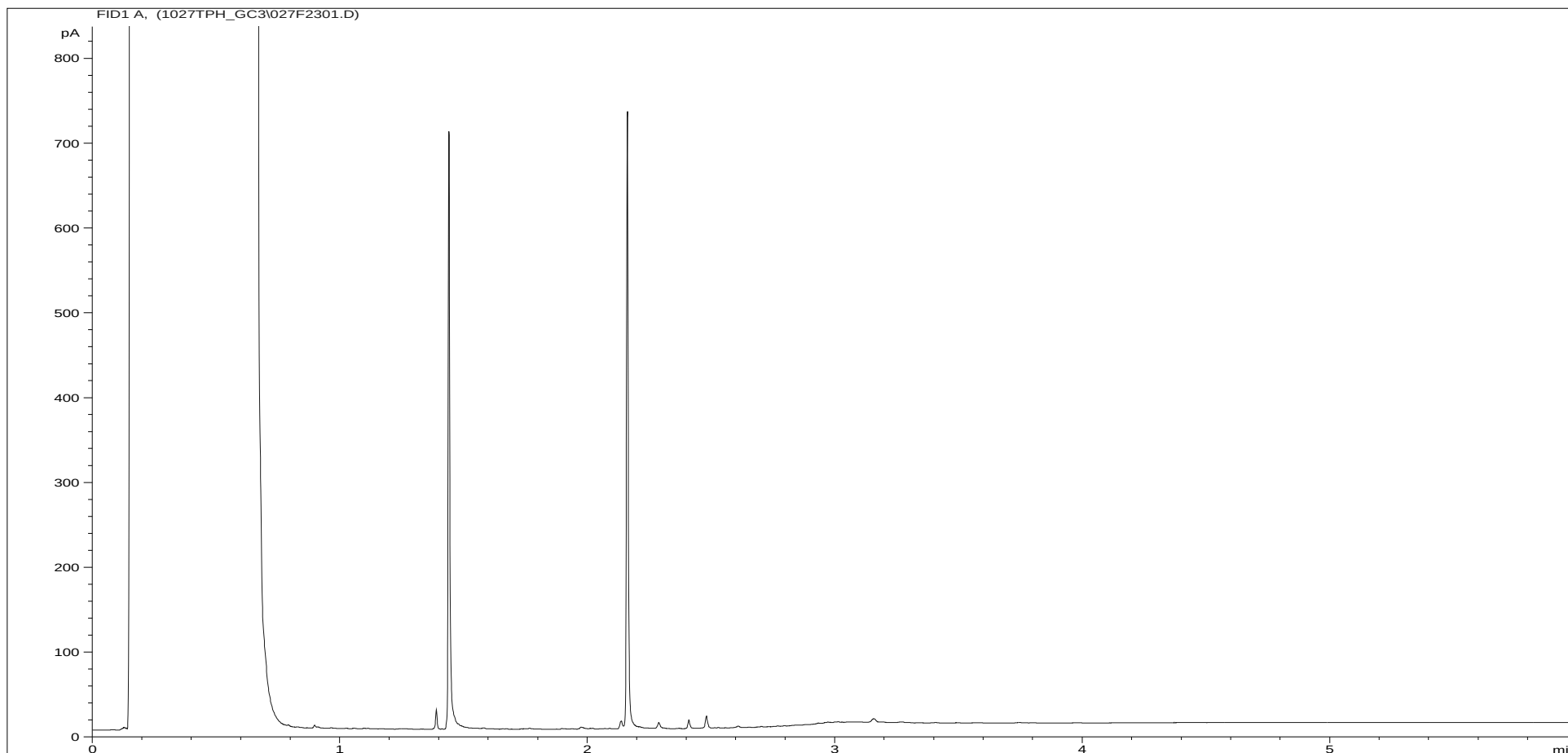
Client Sample Ref: BH112 ES 3 0.50

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



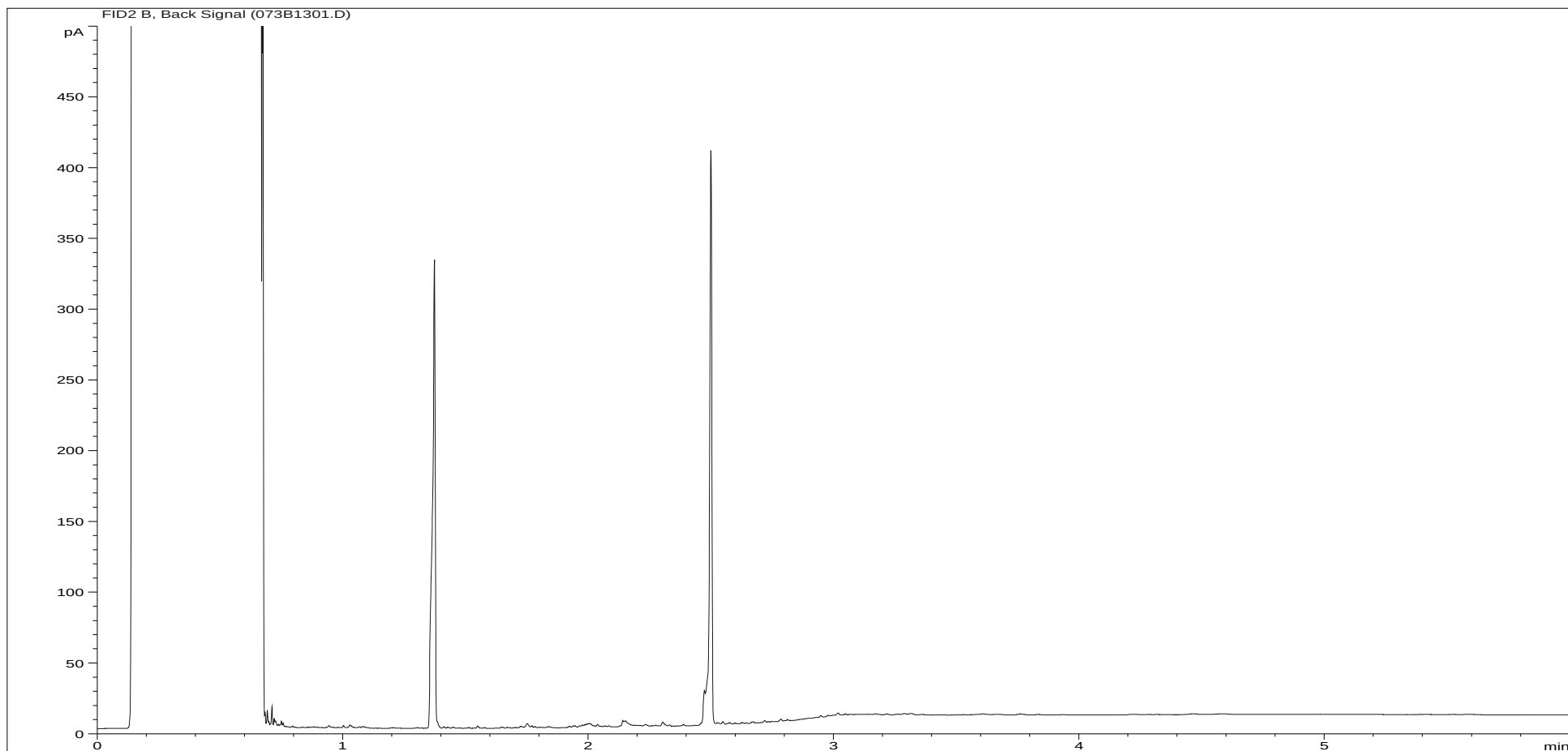
Sample ID:	CL1030877ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH113 ES 2 0.50
Acquisition Date/Time:	27-Oct-10, 10:36:00		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\072B1201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



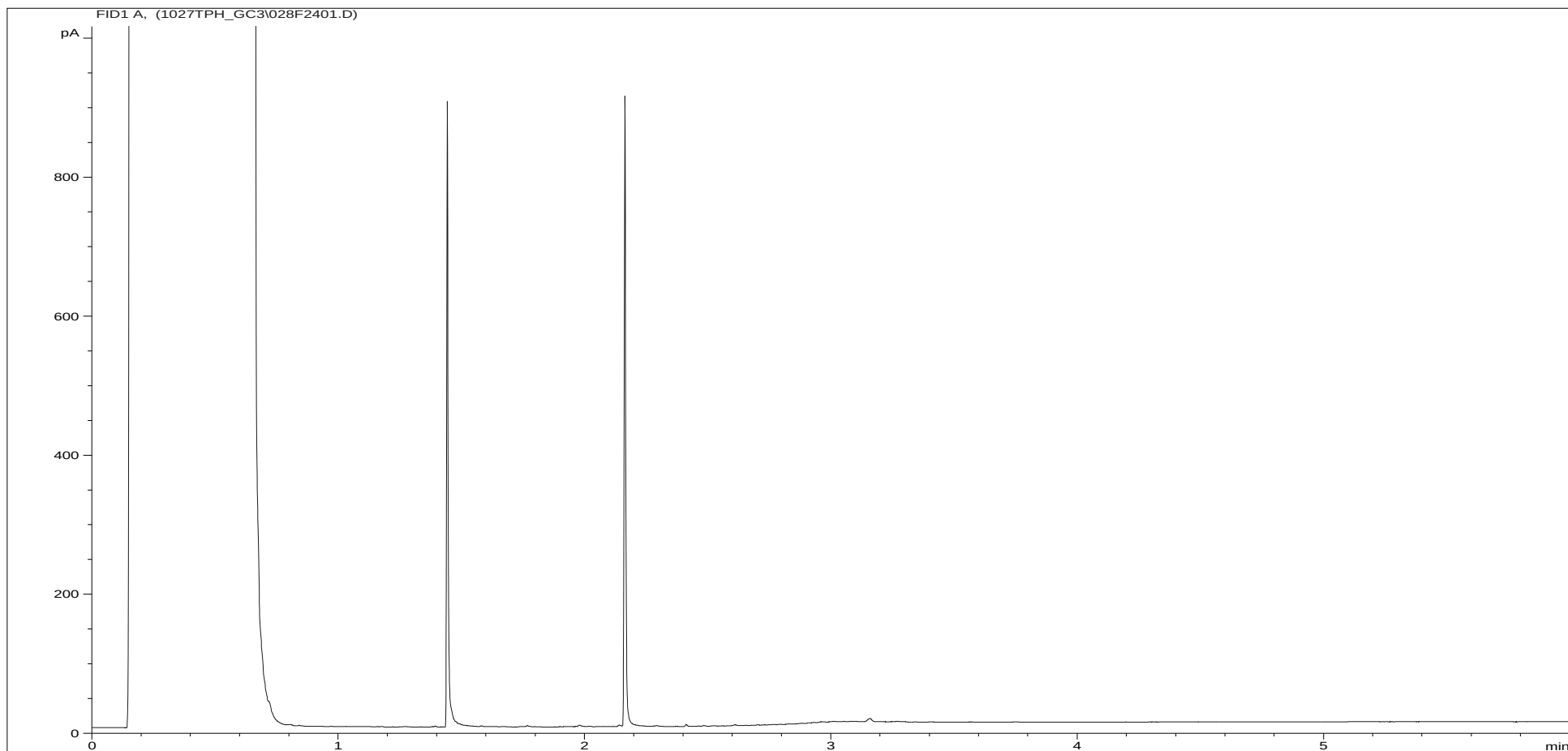
Sample ID:	CL1030877ARO	Job Number:	S10_7034M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH113 ES 2 0.50
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\027F2301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



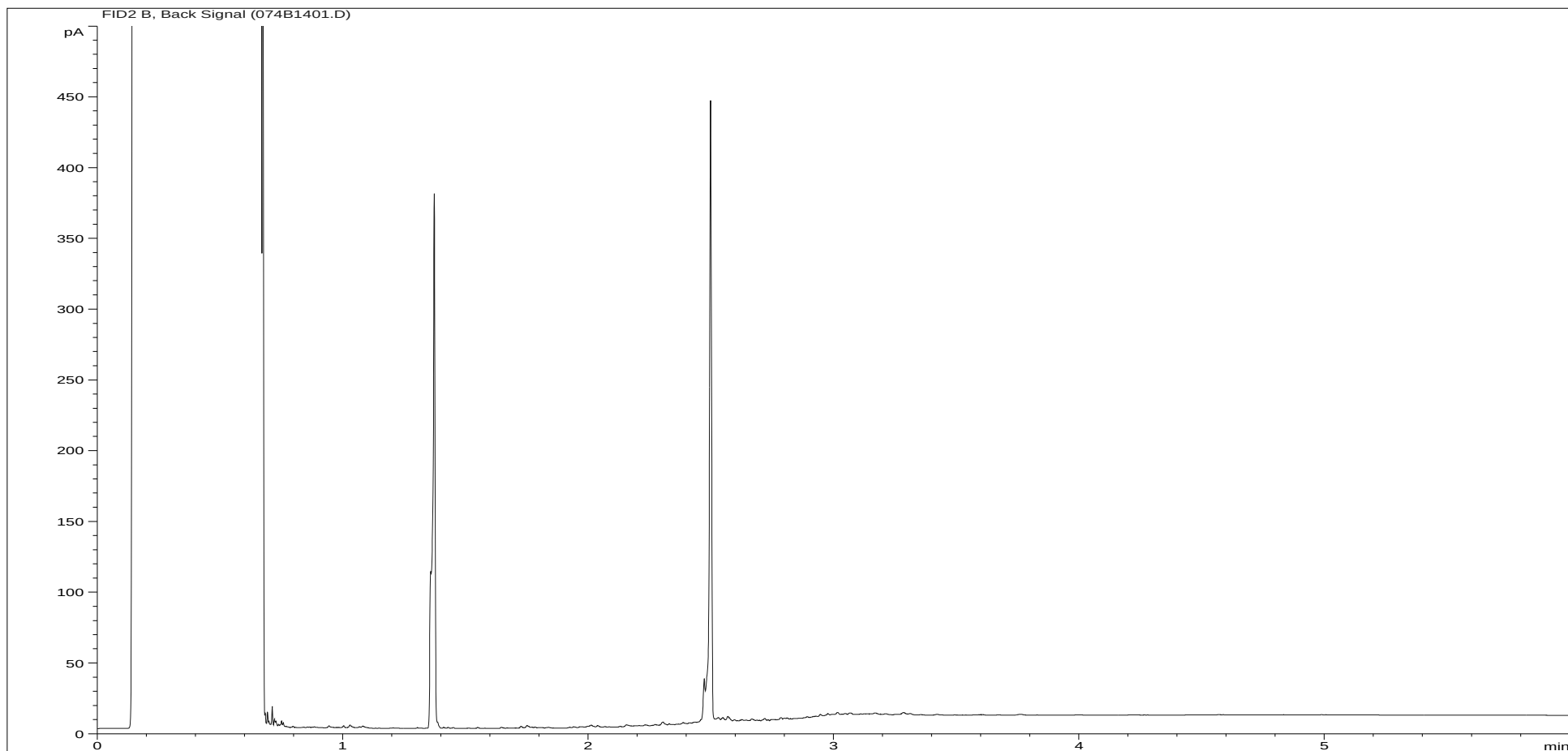
Sample ID:	CL1030878ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH404 ES 3 0.50
Acquisition Date/Time:	27-Oct-10, 10:47:44		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\073B1301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



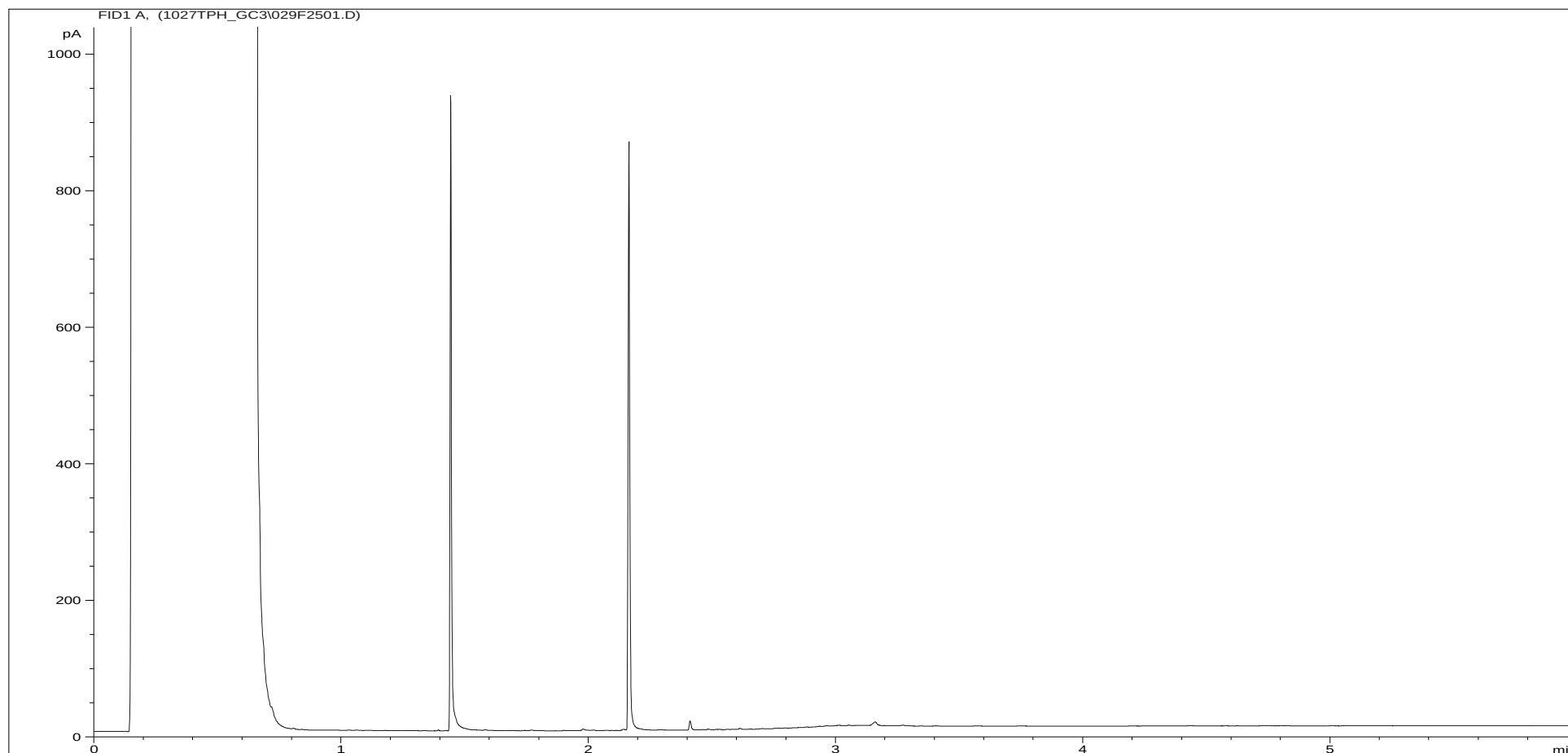
Sample ID:	CL1030878ARO	Job Number:	S10_7034M
Multiplier:	11.4	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH404 ES 3 0.50
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\028F2401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030879ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH404 ES 8 2.00
Acquisition Date/Time:	27-Oct-10, 10:59:35		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\074B1401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030879ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 27-Oct-10

Datafile: D:\TES\DATA\Y2010\1027TPH_GC3\029F2501.D

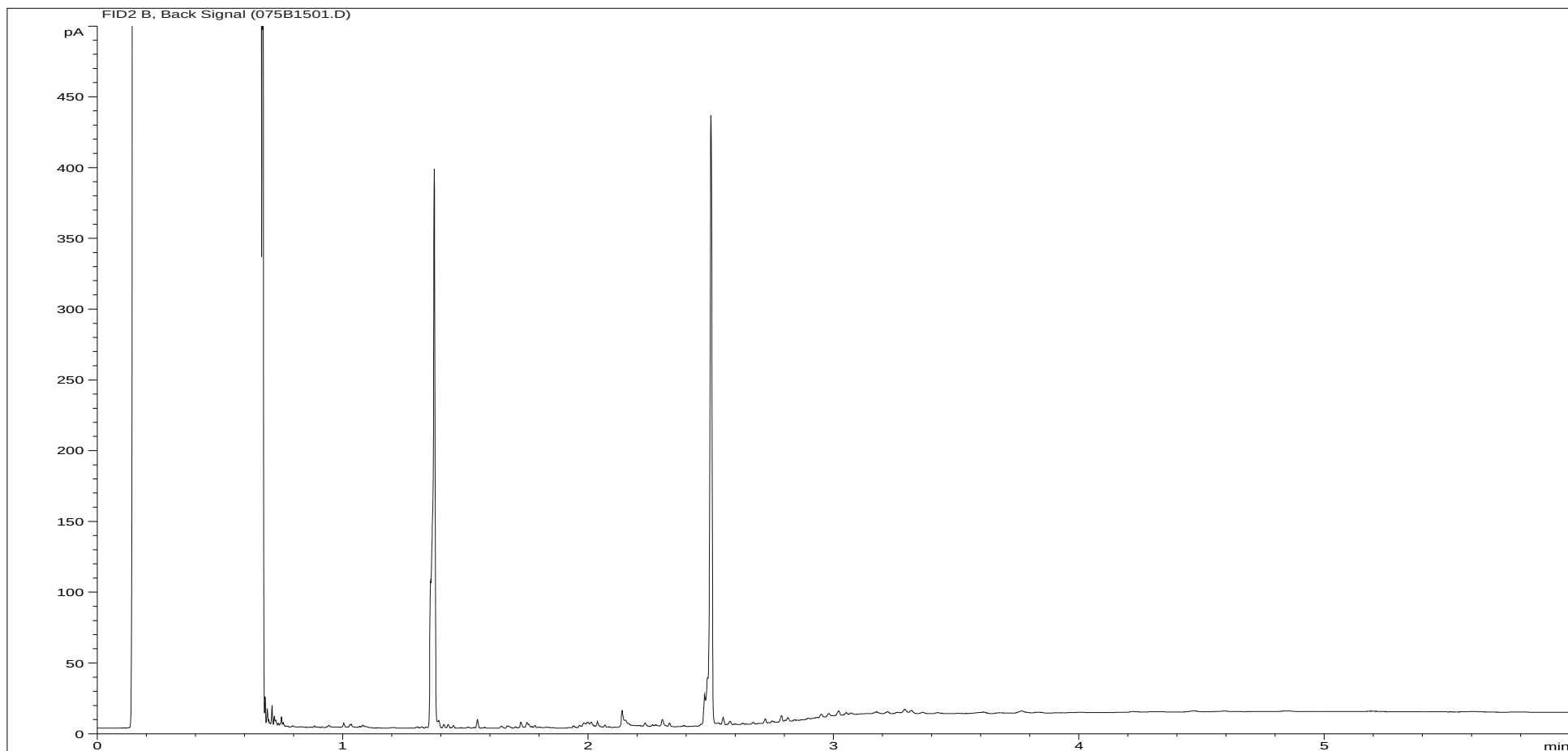
Job Number: S10_7034M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

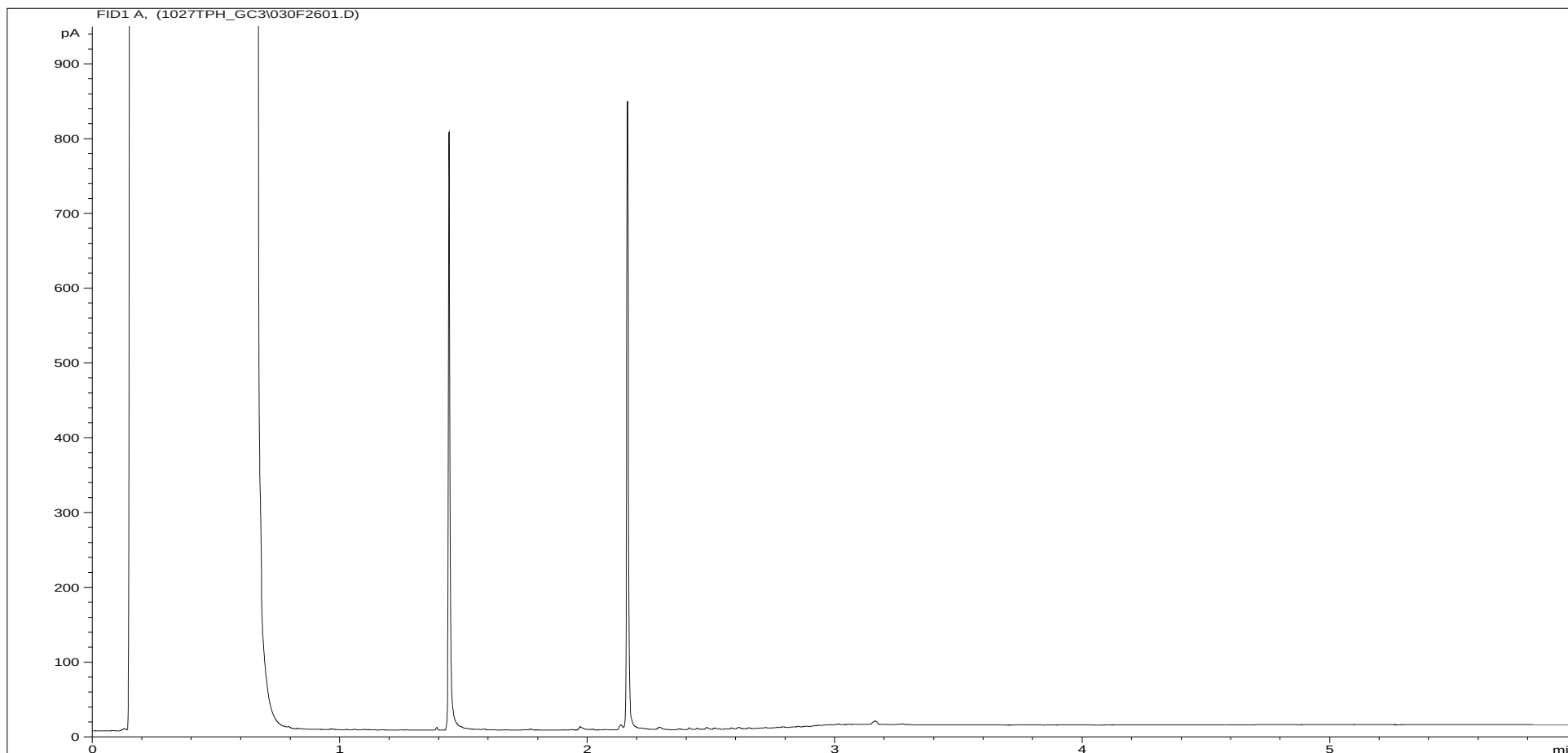
Client Sample Ref: BH404 ES 8 2.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030880ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH405 ES 5 1.00
Acquisition Date/Time:	27-Oct-10, 11:11:29		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\075B1501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030880ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 27-Oct-10

Datafile: D:\TES\DATA\Y2010\1027TPH_GC3\030F2601.D

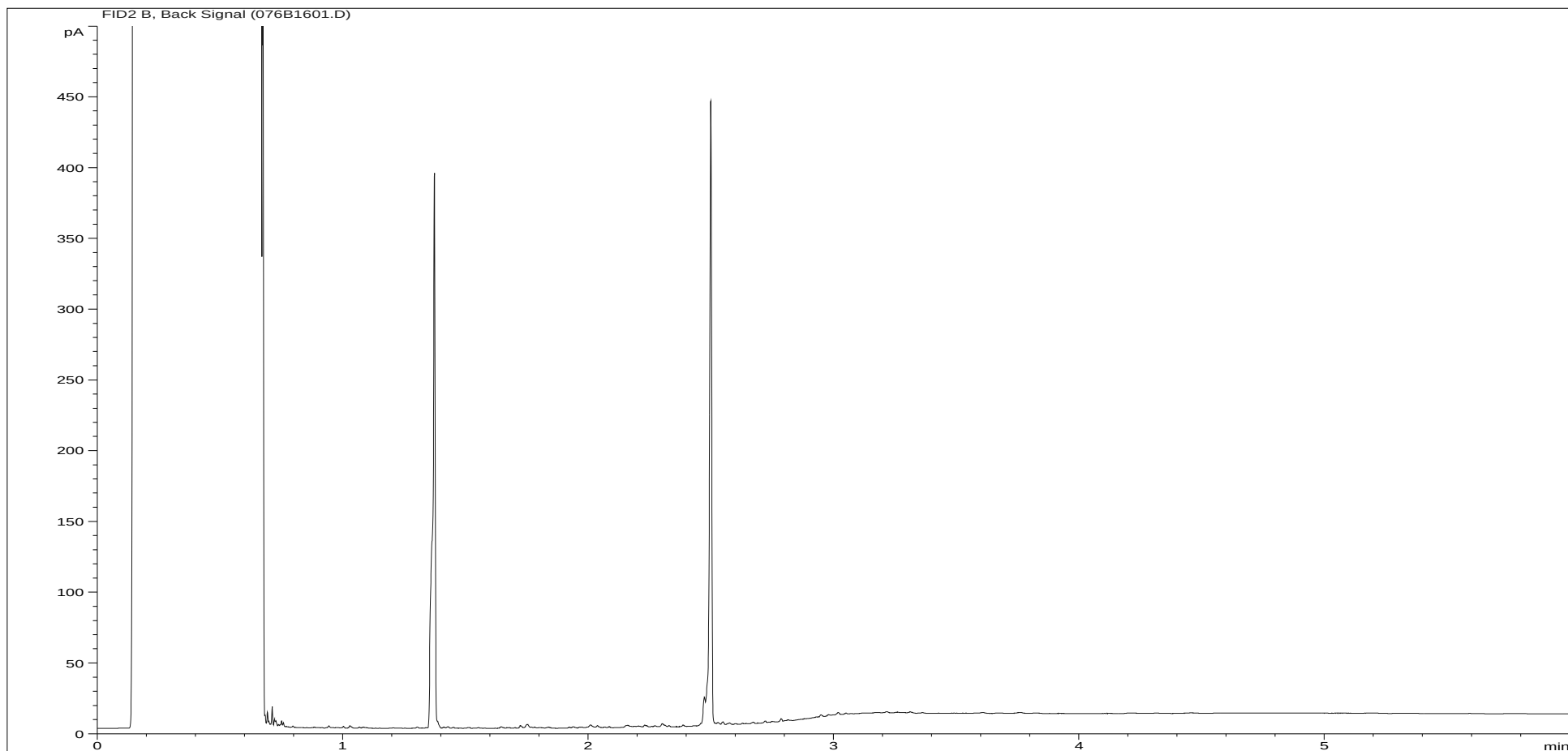
Job Number: S10_7034M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: BH405 ES 5 1.00

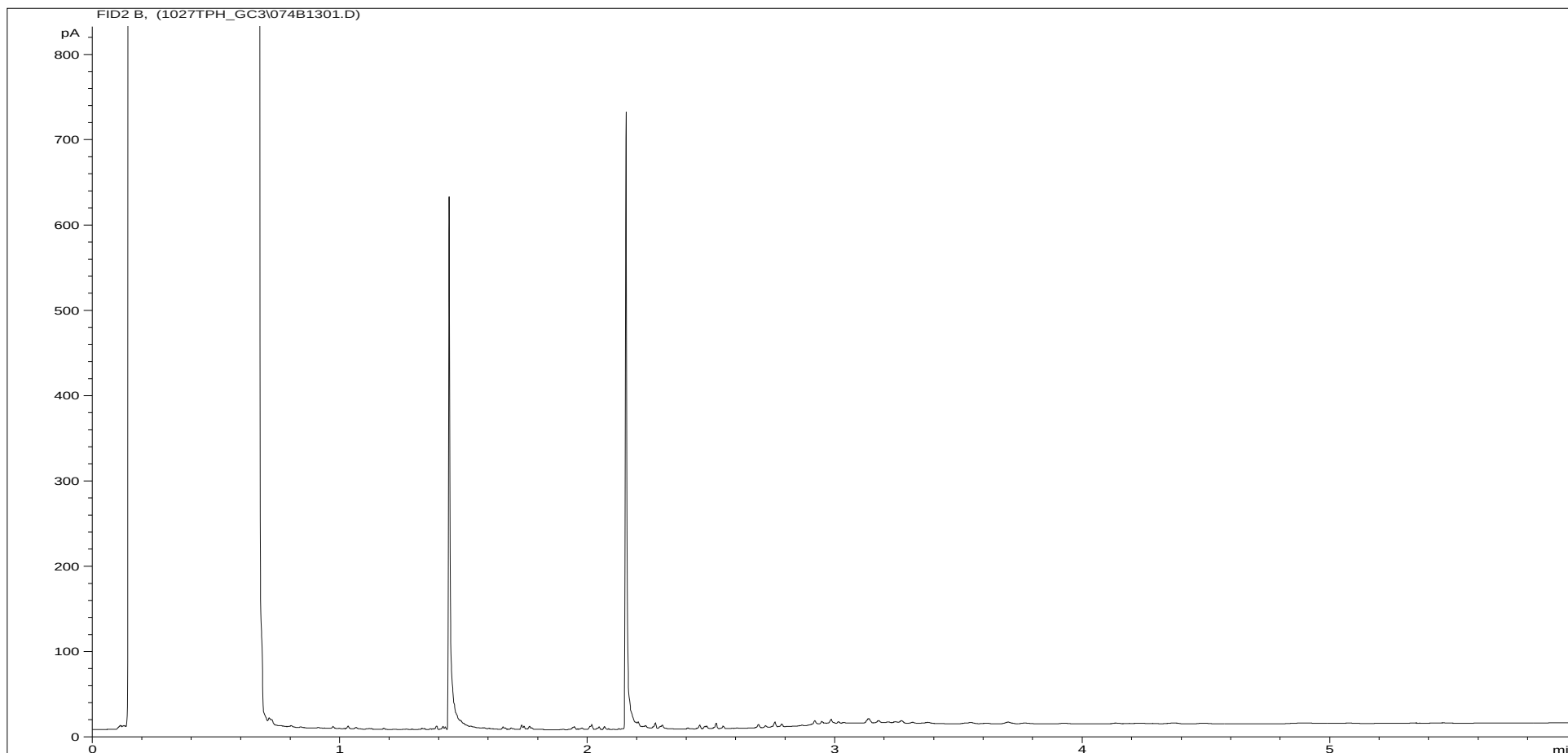
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030881ALI
Multiplier: 14.82
Dilution: 1
Acquisition Method: 5UL_MAX_RUNF.M
Acquisition Date/Time: 27-Oct-10, 11:23:22
Datafile: D:\TES\DATA\Y2010\1027TPH_GC14\102710

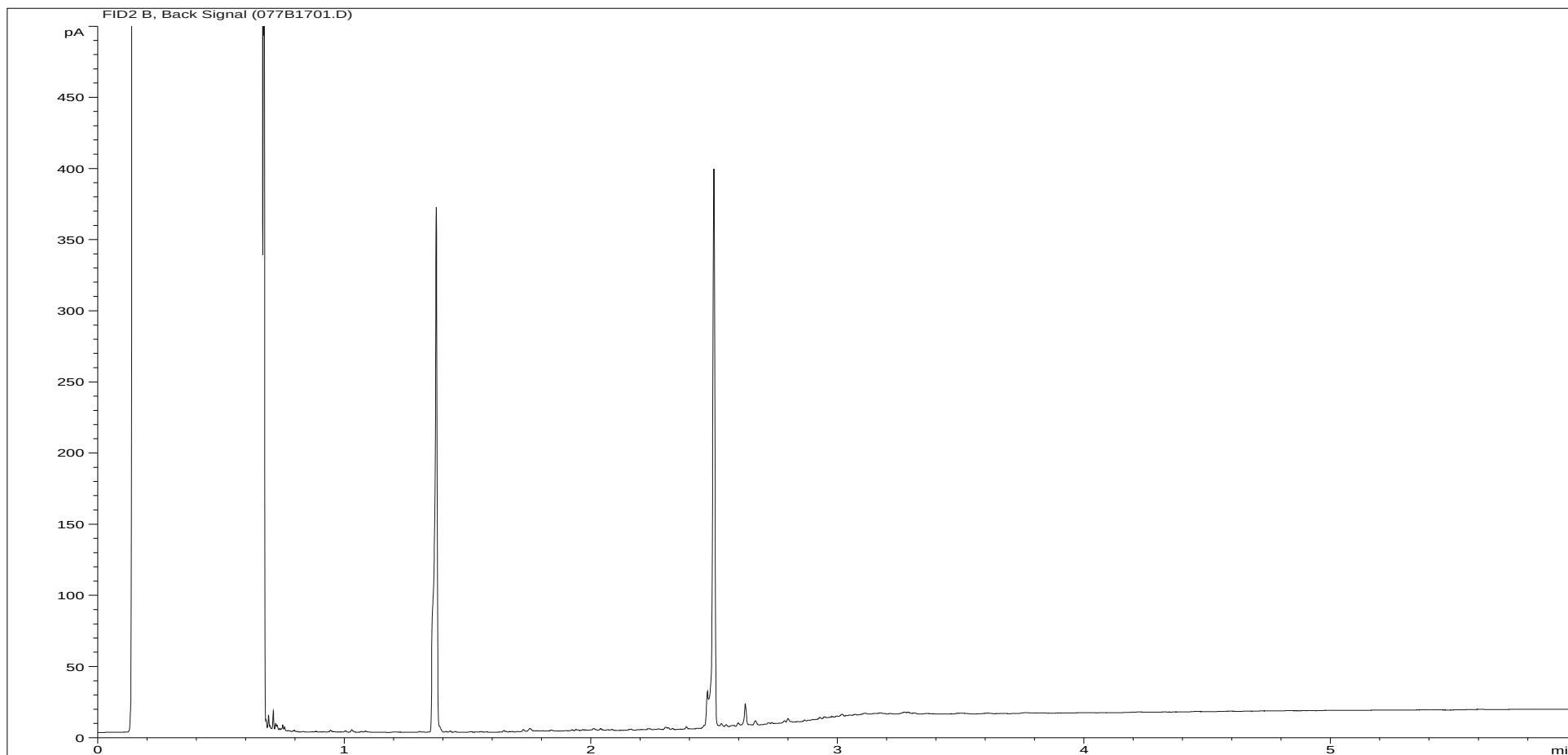
Job Number: S10_7034M
Client: Soil Mechanics
Site: Ferrybridge Multifuel PowerStn
Client Sample Ref: BH405 ES 8 2.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



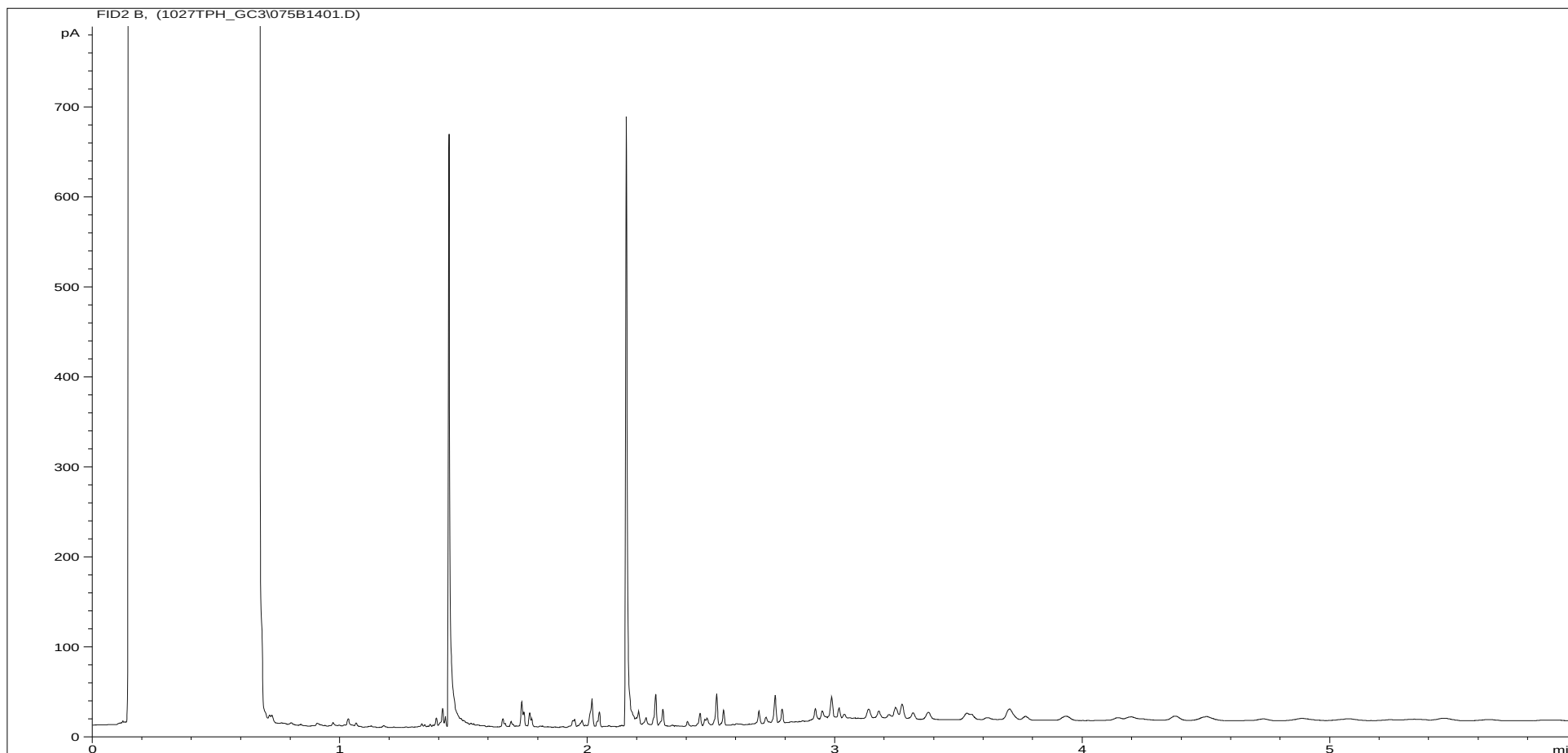
Sample ID:	CL1030881ARO	Job Number:	S10_7034M
Multiplier:	11.4	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH405 ES 8 2.00
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\074B1301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



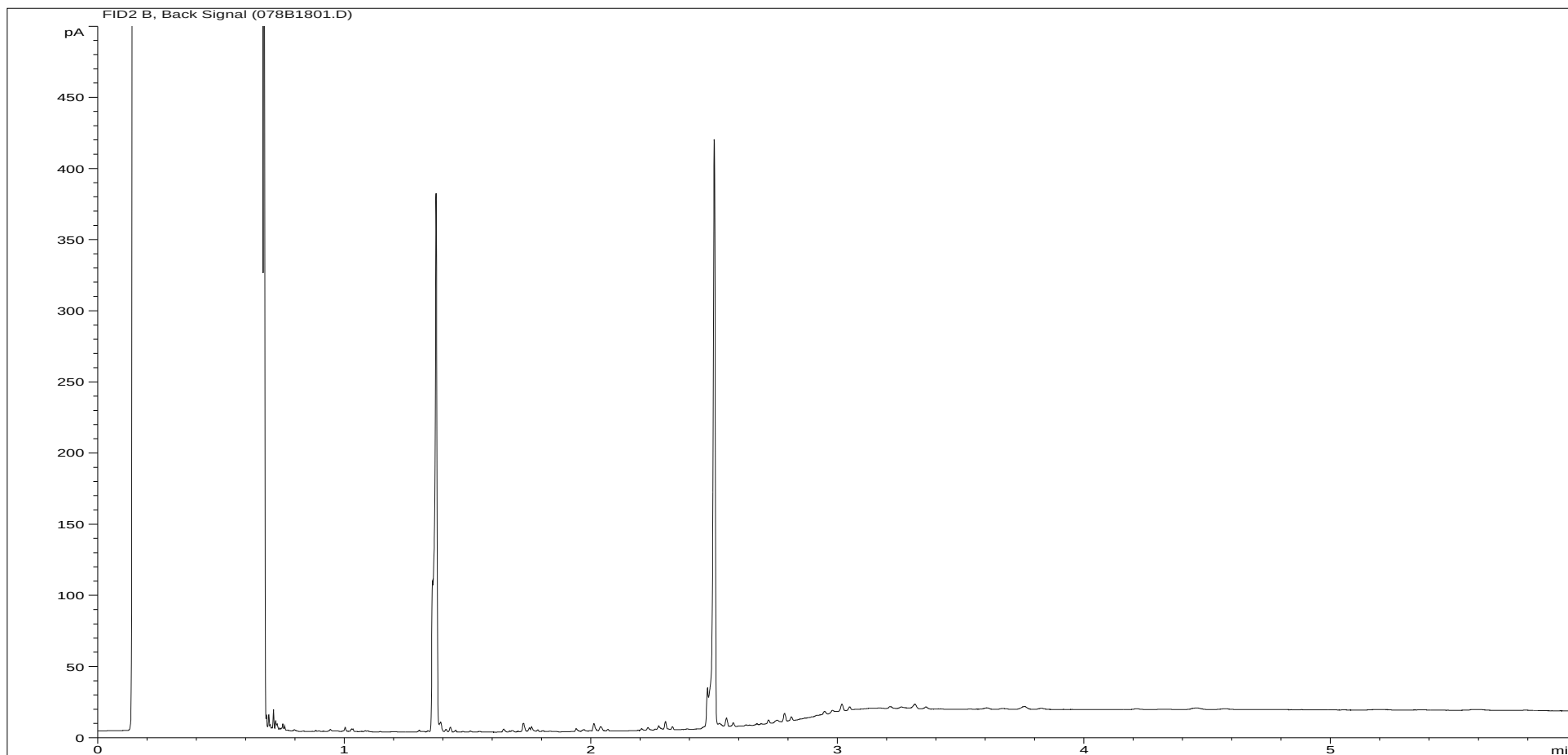
Sample ID:	CL1030882ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH406 ES 1 0.30
Acquisition Date/Time:	27-Oct-10, 11:35:17		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\077B1701.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



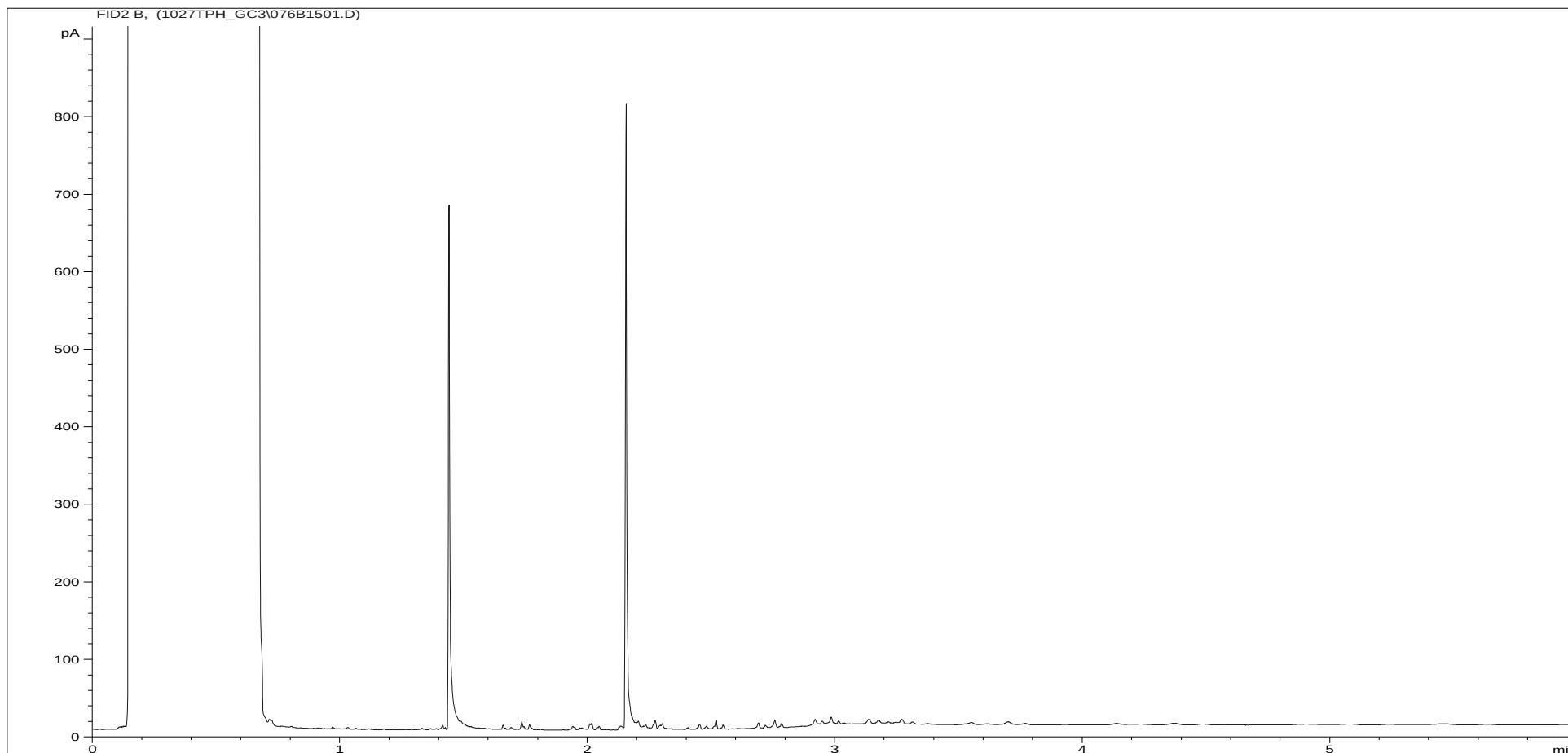
Sample ID:	CL1030882ARO	Job Number:	S10_7034M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH406 ES 1 0.30
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\075B1401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030883ALI	Job Number:	S10_7034M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	BH406 ES 8 2.00
Acquisition Date/Time:	27-Oct-10, 11:47:03		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC14\102710 2010-10-27 08-23-06\078B1801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030883ARO	Job Number:	S10_7034M
Multiplier:	10.64	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH406 ES 8 2.00
Acquisition Date/Time:	27-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1027TPH_GC3\076B1501.D		

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	GROHSA	As Received	Determination of Total Gasoline Range Organics Hydrocarbons (GRO) by Headspace GCFID
Soil	ICPBOR	Air Dried	Determination of Boron in soil samples by hot water extraction followed by ICPOES detection
Soil	ICPMSS	Air Dried	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	PAHMSUS	As Received	Determination of Polycyclic Aromatic Hydrocarbons (PAH) by hexane/acetone extraction followed by GCMS detection
Soil	PCBUSECD	Air Dried	Determination of Polychlorinated Biphenyl (PCB) congeners/arocloris by hexane/acetone extraction followed by GCECD detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SSL	Air Dried	Acid Dichromate oxidation of the sample followed by colorimetric analysis of the extract
Soil	Subcon*	*	Contact Laboratory for details of the methodology used by the sub-contractor.
Soil	SVOCMSUS	As Received	Determination of Semi Volatile Organic Compounds in soil samples by hexane / acetone extraction followed by GCMS detection
Soil	TMSS	As Received	Determination of the Total Moisture content at 105°C by loss on oven drying gravimetric analysis
Soil	TPHUSSI	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection including quantitation of Aromatic and Aliphatic fractions.

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on an air dried basis
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile

CR Denotes Crocidolite

AM Denotes Amosite

NAIIS No Asbestos Identified in Sample

Symbol Reference

[^] Sub-contracted analysis. Note: The accreditation status is that assigned by the subcontract laboratory.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

Req Analysis requested, see attached sheets for results

▯ Raised detection limit due to nature of the sample

***** All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

END OF REPORT

Sample Descriptions

Client : Soil Mechanics
Site : Ferrybridge Multifuel PowerStn
Report Number : S10_7034M

Note: major constituent in upper case

[illegible]

TEST REPORT

SOIL SAMPLE ANALYSIS



Report No. EFS/107035M (Ver. 1)

Soil Mechanics
Askern Road
Carcroft
Doncaster
DN6 8DG

Site: Ferrybridge Multifuel PowerStn

The 18 samples described in this report were logged for analysis by Scientifics on 16-Oct-2010.
The analysis was completed by: 27-Oct-2010

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS or MCERTS accredited
Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by Scientifics.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of PAH (MS-SIM) (80) Results (Pages 4 to 21)
Table of PCB Congener Results (Page 22)
Table of SVOC Results (Pages 23 to 26)
Table of GRO Results (Page 27)
Table of TPH (Si) banding (std) (Page 28)
GC-FID Chromatograms (Pages 29 to 64)
Table of Asbestos Screening Results (Page 65)
Table of Method Descriptions (Page 66)
Table of Report Notes (Page 67)
Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of
Scientifics :
Andrew Timms

Operations Manager

Date of Issue: 27-Oct-2010

Accreditation Codes: **N** (Not Accredited), **U** (UKAS), **UM** (UKAS & MCERTS)

Tests marked '*' have been subcontracted to another laboratory.

(NVM) - denotes the sample matrix is dissimilar to matrices upon which the MCERTS validation was based,
and is therefore not accredited for MCERTS.

All results are reported on a dry weight basis at 105°C unless otherwise stated. (except QC samples)
Scientifics accepts no responsibility for any sampling not carried out by our personnel.

Units : Method Codes : Method Reporting Limits : Accreditation Code:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH Units	mg/kg	mg/kg		
		ICPBOR	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	PAHMSUS	PHSOIL	SFAPI	SFAPI	Sub02a
		0.5	0.3	0.2	1.2	1.6	0.7	0.5	2	0.5	0.6	16	0.08			0.5	0.5	
		UM	UM	UM	UM	UM	UM	UM	UM	UM	UM	U	UM		UM	UM	U	U
Laboratory ID Number	Client Sample Description	Boron (H2O Soluble)	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Vanadium (MS)	Zinc (MS)	PAH by MS,16(0.08)	pH units (AR)	Cyanide(Free) (AR)	Phenol Index (AR)	Asbestos Screen	
		CL/																
1030884	BH101 ES 1 0.30	1.3	9.6	0.3	20.8	23.5	32.4	<0.5	20	<0.5	29.1	65.2	Req	8.7	<0.6	1.96	NAIIS	
1030885	BH101 ES 2 0.50	<0.5	1.9	0.22	3.5	3.4	8.3	<0.5	4.3	<0.5	4.2	36.3	Req	9.0	<0.6	1.87		
1030886	BH105 ES 3 1.00	0.7	6.1	0.71	17.1	14	30	<0.5	23	<0.5	25.3	109	Req	8.4	<0.6	1.54	NAIIS	
1030887	BH302 ES 3 0.50	<0.5	16.2	0.4	26.3	41.9	13.6	<0.5	40.5	0.5	65.1	21.5	Req	8.4	<0.6	2.12	NAIIS	
1030888	BH302 ES 17 5.00	<0.5	6.3	0.3	21.4	17.6	16	<0.5	23.6	0.5	23.1	56	Req	7.9	<0.6	1.6		
1030889	BH303 ES 12 3.00	<0.5	50.2	0.23	36.3	59	22.2	<0.5	53.6	1	88.3	25.9	Req	7.8	<0.6	1.41	NAIIS	
1030890	BH303 ES 18 5.00	<0.5	203.3	0.45	47.7	82	67.1	<0.5	63.5	0.5	117	49	Req	7.8	<0.6	1.61	NAIIS	
1030891	BH303 ES 28 7.00	<0.5	27.6	0.52	12.4	18.4	17.2	<0.5	25.6	<0.5	18.8	56.4	Req	8.0	<0.6	1.57		
1030892	WS102 ES 3 1.00	<0.5	2.9	0.32	7.5	7.7	15.2	<0.5	6.8	<0.5	6.6	45.5	Req	8.9	<0.6	1.26	NAIIS	
1030893	WS102 ES 7 2.44	2.6	11.9	0.89	17.5	40	55	<0.5	34.5	0.9	24.6	169	Req	7.4	<0.7	1.56	NAIIS	
1030894	WS102 ES 11 4.10	1	8.3	0.4	18.9	16.9	23	<0.5	22.6	0.5	25	88.5	Req	8.0	<0.6	0.94		
1030895	WS301 ES 2 0.50	<0.5	15.7	0.22	34.2	53	15.5	<0.5	43.4	0.7	67.1	28.5	Req	11.4	<0.6	0.79	NAIIS	
1030896	WS301 ES 5 1.90	<0.5	8.4	<0.20	13.9	19.5	17.5	<0.5	14.1	<0.5	21	19.6	Req	8.8	<0.5	0.79	NAIIS	
1030897	WS301 ES 9 4.20	7.2	18.5	0.81	72.1	66.7	74.9	<0.49	40	0.9	39.2	109.6	Req	4.4	<0.8	<0.8		
1030898	WS302 ES 3 1.00	<0.5	16.3	0.2	34.7	48.5	9.2	<0.5	45.8	0.6	78.7	18.4	Req	7.8	<0.6	<0.6	NAIIS	
1030899	WS302 ES 9 4.40	0.8	5.3	0.9	37.5	28.7	35	<0.6	42	0.9	37.9	122.9	Req	6.6	<0.8	<0.8	NAIIS	
1030900	WS303 ES 3 1.00	<0.5	23.9	<0.20	28.9	42.4	14.8	<0.5	40	0.6	66.5	18.1	Req	7.1	<0.6	<0.6		
1030901	WS303 ES 9 3.90	<0.5	6.4	0.29	30.4	26.7	14.9	<0.5	37	<0.5	39.4	54.5	Req	7.1	<0.7	<0.7		
 scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Soil Mechanics							Soils Sample Analysis							
		Contact		Mr J Huntington														
		Ferrybridge Multifuel PowerStn							Date Printed		27-Oct-10							
									Report Number		EFS/107035M							
									Table Number		1							

Units : Method Codes : Method Reporting Limits : Accreditation Code:		%	mg/kg	mg/kg	ug/kg	%	mg/kg											
		TMSS	TPHUSSI	GROHSA	PCBUSECD	SSL	SVOCMSUS											
		0.2	10.0	0.1	5	0.1	0.2-10.0											
		U				N												
Laboratory ID Number CL/	Client Sample Description	Tot. Moisture @ 105C	TPH by GC/FID (AR/SI)	GRO (AA)	PCB (7 Congeners)	Organic Matter %	SVOC (AR)											
		1030884	BH101 ES 1 0.30	9.1	Req	Req	Req	1.72	Req									
		1030885	BH101 ES 2 0.50	9.7	Req	Req		0.39										
		1030886	BH105 ES 3 1.00	15.0	Req	Req	Req											
		1030887	BH302 ES 3 0.50	12.6	Req	Req	Req	5.26	Req									
		1030888	BH302 ES 17 5.00	20.1	Req	Req		1.46										
		1030889	BH303 ES 12 3.00	15.9	Req	Req	Req		Req									
		1030890	BH303 ES 18 5.00	21.3	Req	Req	Req	5.91										
		1030891	BH303 ES 28 7.00	15.4	Req	Req		0.87										
		1030892	WS102 ES 3 1.00	15.2	Req	Req	Req	0.71										
		1030893	WS102 ES 7 2.44	29.4	Req	Req	Req		Req									
		1030894	WS102 ES 11 4.10	18.9	Req	Req		2.54										
		1030895	WS301 ES 2 0.50	9.1	Req	Req		4.97										
		1030896	WS301 ES 5 1.90	8.7	Req	Req												
		1030897	WS301 ES 9 4.20	40.0	Req	Req		7.22										
		1030898	WS302 ES 3 1.00	11.2	Req	Req		5.51										
		1030899	WS302 ES 9 4.40	35.6	Req	Req		3.37										
		1030900	WS303 ES 3 1.00	10.7	Req	Req		6.57										
		1030901	WS303 ES 9 3.90	28.5	Req	Req		2.12										
		scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Soil Mechanics						Soils Sample Analysis						
				Contact		Mr J Huntington												
				Ferrybridge Multifuel PowerStn									Date Printed		27-Oct-10			
Report Number													EFS/107035M					
Table Number													1					

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH101 ES 1 0.30	Job Number:	S10_7035M
LIMS ID Number:	CL1030884	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	5.89	0.21	98	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.27	0.73	90	UM
Pyrene	129-00-0	7.57	0.64	91	UM
Benzo[a]anthracene	56-55-3	9.27	0.43	90	UM
Chrysene	218-01-9	9.32	0.39	92	UM
Benzo[b]fluoranthene	205-99-2	10.81	0.57	98	UM
Benzo[k]fluoranthene	207-08-9	10.84	0.20	97	UM
Benzo[a]pyrene	50-32-8	11.24	0.42	93	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.63	0.30	93	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	12.95	0.29	88	UM
Total (USEPA16) PAHs	-	-	< 4.74	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	73
Acenaphthene-d10	69
Phenanthrene-d10	83
Chrysene-d12	90
Perylene-d12	85

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	97
Terphenyl-d14	98

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH101 ES 2 0.50	Job Number:	S10_7035M
LIMS ID Number:	CL1030885	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.42	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	71
Acenaphthene-d10	71
Phenanthrene-d10	79
Chrysene-d12	75
Perylene-d12	65

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	97
Terphenyl-d14	97

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH105 ES 3 1.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030886	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.51	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	72
Acenaphthene-d10	72
Phenanthrene-d10	81
Chrysene-d12	85
Perylene-d12	75

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	96
Terphenyl-d14	98

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH302 ES 3 0.50	Job Number:	S10_7035M
LIMS ID Number:	CL1030887	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.43	0.55	99	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	5.89	0.18	97	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 2.01	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	70
Acenaphthene-d10	66
Phenanthrene-d10	79
Chrysene-d12	81
Perylene-d12	73

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	96

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH302 ES 17 5.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030888	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.60	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	70
Acenaphthene-d10	69
Phenanthrene-d10	75
Chrysene-d12	70
Perylene-d12	60

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	98

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH303 ES 12 3.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030889	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.43	0.20	97	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.70	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	68
Acenaphthene-d10	68
Phenanthrene-d10	76
Chrysene-d12	74
Perylene-d12	62

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	97
Terphenyl-d14	88

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH303 ES 18 5.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030890	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.43	0.44	98	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	5.89	0.17	96	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 2.00	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	70
Acenaphthene-d10	70
Phenanthrene-d10	78
Chrysene-d12	82
Perylene-d12	71

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	97

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	BH303 ES 28 7.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030891	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.51	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	69
Acenaphthene-d10	68
Phenanthrene-d10	76
Chrysene-d12	70
Perylene-d12	55

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	94
Terphenyl-d14	99

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS102 ES 3 1.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030892	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.51	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	69
Acenaphthene-d10	64
Phenanthrene-d10	75
Chrysene-d12	75
Perylene-d12	64

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	104
Terphenyl-d14	100

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS102 ES 7 2.44	Job Number:	S10_7035M
LIMS ID Number:	CL1030893	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.43	0.89	99	UM
Acenaphthylene	208-96-8	-	< 0.11	-	U
Acenaphthene	83-32-9	-	< 0.11	-	UM
Fluorene	86-73-7	5.01	0.17	93	UM
Phenanthrene	85-01-8	5.89	0.96	98	UM
Anthracene	120-12-7	5.95	0.30	94	U
Fluoranthene	206-44-0	7.27	1.93	91	UM
Pyrene	129-00-0	7.57	1.39	92	UM
Benzo[a]anthracene	56-55-3	9.27	0.82	97	UM
Chrysene	218-01-9	9.32	0.78	99	UM
Benzo[b]fluoranthene	205-99-2	10.81	1.19	97	UM
Benzo[k]fluoranthene	207-08-9	10.84	0.40	96	UM
Benzo[a]pyrene	50-32-8	11.24	0.74	94	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.63	0.45	92	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.11	-	UM
Benzo[g,h,i]perylene	191-24-2	12.95	0.38	86	UM
Total (USEPA16) PAHs	-	-	< 10.75	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	67
Acenaphthene-d10	62
Phenanthrene-d10	74
Chrysene-d12	73
Perylene-d12	65

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	96

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS102 ES 11 4.10	Job Number:	S10_7035M
LIMS ID Number:	CL1030894	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	22-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.58	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	69
Acenaphthene-d10	69
Phenanthrene-d10	76
Chrysene-d12	76
Perylene-d12	64

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	97
Terphenyl-d14	98

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS301 ES 2 0.50	Job Number:	S10_7035M
LIMS ID Number:	CL1030895	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	23-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	5.89	0.25	97	UM
Anthracene	120-12-7	5.95	0.10	96	U
Fluoranthene	206-44-0	7.27	0.80	91	UM
Pyrene	129-00-0	7.57	0.58	90	UM
Benzo[a]anthracene	56-55-3	9.27	0.34	96	UM
Chrysene	218-01-9	9.32	0.29	98	UM
Benzo[b]fluoranthene	205-99-2	10.81	0.42	97	UM
Benzo[k]fluoranthene	207-08-9	10.85	0.15	97	UM
Benzo[a]pyrene	50-32-8	11.24	0.32	94	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.64	0.20	93	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	12.96	0.20	85	UM
Total (USEPA16) PAHs	-	-	< 4.08	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	69
Acenaphthene-d10	65
Phenanthrene-d10	76
Chrysene-d12	77
Perylene-d12	71

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	104
Terphenyl-d14	99

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn	Job Number:	S10_7035M
Sample Details:	WS301 ES 5 1.90	Date Booked in:	16-Oct-10
LIMS ID Number:	CL1030896	Date Extracted:	21-Oct-10
QC Batch Number:	2214	Date Analysed:	23-Oct-10
Quantitation File:	Initial Calibration	Matrix:	Soil
Directory:	020PAH.MS20\	Ext Method:	Ultrasonic
Dilution:	1.0		

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.43	0.64	99	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	5.89	0.23	95	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 2.09	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	70
Acenaphthene-d10	66
Phenanthrene-d10	78
Chrysene-d12	81
Perylene-d12	72

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	98
Terphenyl-d14	98

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS301 ES 9 4.20	Job Number:	S10_7035M
LIMS ID Number:	CL1030897	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	23-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.13	-	UM
Acenaphthylene	208-96-8	-	< 0.13	-	U
Acenaphthene	83-32-9	-	< 0.13	-	UM
Fluorene	86-73-7	-	< 0.13	-	UM
Phenanthrene	85-01-8	-	< 0.13	-	UM
Anthracene	120-12-7	-	< 0.13	-	U
Fluoranthene	206-44-0	-	< 0.13	-	UM
Pyrene	129-00-0	-	< 0.13	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.13	-	UM
Chrysene	218-01-9	-	< 0.13	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.13	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.13	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.13	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.13	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.13	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.13	-	UM
Total (USEPA16) PAHs	-	-	< 2.13	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	71
Acenaphthene-d10	71
Phenanthrene-d10	80
Chrysene-d12	83
Perylene-d12	74

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	96
Terphenyl-d14	97

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS302 ES 3 1.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030898	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	23-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.43	0.43	98	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	5.89	0.20	98	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.27	0.48	90	UM
Pyrene	129-00-0	7.57	0.33	90	UM
Benzo[a]anthracene	56-55-3	9.27	0.16	98	UM
Chrysene	218-01-9	9.32	0.17	96	UM
Benzo[b]fluoranthene	205-99-2	10.81	0.14	98	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 2.74	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	71
Acenaphthene-d10	71
Phenanthrene-d10	79
Chrysene-d12	83
Perylene-d12	75

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	97
Terphenyl-d14	97

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS302 ES 9 4.40	Job Number:	S10_7035M
LIMS ID Number:	CL1030899	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	23-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.12	-	UM
Acenaphthylene	208-96-8	-	< 0.12	-	U
Acenaphthene	83-32-9	-	< 0.12	-	UM
Fluorene	86-73-7	-	< 0.12	-	UM
Phenanthrene	85-01-8	-	< 0.12	-	UM
Anthracene	120-12-7	-	< 0.12	-	U
Fluoranthene	206-44-0	-	< 0.12	-	UM
Pyrene	129-00-0	-	< 0.12	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.12	-	UM
Chrysene	218-01-9	-	< 0.12	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.12	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.12	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.12	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.12	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.12	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.12	-	UM
Total (USEPA16) PAHs	-	-	< 1.99	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	70
Acenaphthene-d10	66
Phenanthrene-d10	77
Chrysene-d12	75
Perylene-d12	62

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	104
Terphenyl-d14	98

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS303 ES 3 1.00	Job Number:	S10_7035M
LIMS ID Number:	CL1030900	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	23-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.43	0.94	99	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	5.89	0.31	97	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.27	0.12	90	UM
Pyrene	129-00-0	7.57	0.10	91	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 2.56	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	70
Acenaphthene-d10	70
Phenanthrene-d10	78
Chrysene-d12	80
Perylene-d12	71

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	97
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	WS303 ES 9 3.90	Job Number:	S10_7035M
LIMS ID Number:	CL1030901	Date Booked in:	16-Oct-10
QC Batch Number:	2214	Date Extracted:	21-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	23-Oct-10
Directory:	020PAH.MS20\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.11	-	UM
Acenaphthylene	208-96-8	-	< 0.11	-	U
Acenaphthene	83-32-9	-	< 0.11	-	UM
Fluorene	86-73-7	-	< 0.11	-	UM
Phenanthrene	85-01-8	-	< 0.11	-	UM
Anthracene	120-12-7	-	< 0.11	-	U
Fluoranthene	206-44-0	-	< 0.11	-	UM
Pyrene	129-00-0	-	< 0.11	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.11	-	UM
Chrysene	218-01-9	-	< 0.11	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.11	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.11	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.11	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.11	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.11	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.11	-	UM
Total (USEPA16) PAHs	-	-	< 1.79	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	69
Acenaphthene-d10	69
Phenanthrene-d10	76
Chrysene-d12	77
Perylene-d12	65

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	100
Terphenyl-d14	101

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polychlorinated Biphenyls (congeners)

Customer and Site Details:

Soil Mechanics: Ferrybridge Multifuel PowerStn

Job Number:

S10 7035M

OC Batch Number:

102230

Directory:

1022PCB.GC8

Method:

Ultrasonic

Accreditation code:

N

Matrix:

SOIL

Date Booked in:

16-Oct-10

Date Extracted:

22-Oct-10

Date Analysed:

23-Oct-10

[illegible]

Semi-Volatile Organic Compounds

Customer and Site Details:			Accredited?: No			Matrix:			QC Batch Number:		
Sample Details:			Date Booked in:			Ext Method:			Multiplier:		
LIMS ID Number:			Date Extracted:			Operator:			Dilution Factor:		
Job Number:			Date Analysed:			Directory/Quant File:			GPC (Y/N)		
Soil Mechanics: Ferrybridge Multifuel PowerStn			16-Oct-10			Soil			2222		
BH101 ES 1 0.30			21-Oct-10			Ultrasonic			1		
CL1030884			23-Oct-10			SO			5		
S10_7035M						22SVOC.MS16\ 1022_CCC3.D			N		

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 11.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 2.8	-	N
2-Chlorophenol	95-57-8	-	< 11.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 2.8	-	N
1,4-Dichlorobenzene	106-46-7	-	< 2.8	-	N
Benzyl alcohol	100-51-6	-	< 2.8	-	N
1,2-Dichlorobenzene	95-50-1	-	< 2.8	-	N
2-Methylphenol	95-48-7	-	< 2.8	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 2.8	-	N
Hexachloroethane	67-72-1	-	< 2.8	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 2.8	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 11.0	-	N
Nitrobenzene	98-95-3	-	< 2.8	-	N
Isophorone	78-59-1	-	< 2.8	-	N
2-Nitrophenol	88-75-5	-	< 11.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 11.0	-	N
Benzoic Acid	65-85-0 *	-	< 55.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 2.8	-	N
2,4-Dichlorophenol	120-83-2	-	< 11.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 2.8	-	N
Naphthalene	91-20-3	-	< 1.0	-	N
4-Chlorophenol	106-48-9	-	< 11.0	-	N
4-Chloroaniline	106-47-8 *	-	< 2.8	-	N
Hexachlorobutadiene	87-68-3	-	< 2.8	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 2.8	-	N
2-Methylnaphthalene	91-57-6	-	< 1.0	-	N
1-Methylnaphthalene	90-12-0	-	< 1.0	-	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 2.8	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 11.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 11.0	-	N
2-Chloronaphthalene	91-58-7	-	< 1.0	-	N
Biphenyl	92-52-4	-	< 1.0	-	N
Diphenyl ether	101-84-8	-	< 1.0	-	N
2-Nitroaniline	88-74-4	-	< 2.8	-	N
Acenaphthylene	208-96-8	-	< 1.0	-	N
Dimethylphthalate	131-11-3	-	< 2.8	-	N
2,6-Dinitrotoluene	606-20-2	-	< 2.8	-	N
Acenaphthene	83-32-9	-	< 1.0	-	N
3-Nitroaniline	99-09-2	-	< 2.8	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 6.0	-	N
Dibenzofuran	132-64-9	-	< 2.8	-	N
4-Nitrophenol	100-02-7	-	< 28.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 2.8	-	N
Fluorene	86-73-7	-	< 1.0	-	N
Diethylphthalate	84-66-2	-	< 2.8	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 2.8	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 28.0	-	N
4-Nitroaniline	100-01-6	-	< 2.8	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 2.8	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 2.8	-	N
Hexachlorobenzene	118-74-1	-	< 2.8	-	N
Pentachlorophenol	87-86-5	-	< 28.0	-	N
Phenanthrene	85-01-8	-	< 1.0	-	N
Anthracene	120-12-7	-	< 1.0	-	N
Di-n-butylphthalate	84-74-2	-	< 2.8	-	N
Fluoranthene	206-44-0	-	< 1.0	-	N
Pyrene	129-00-0	-	< 1.0	-	N
Butylbenzylphthalate	85-68-7	-	< 2.8	-	N
Benzo[a]anthracene	56-55-3	-	< 1.0	-	N
Chrysene	218-01-9	-	< 1.0	-	N
3,3'-Dichlorobenzidine	91-94-1	-	< 11.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 2.8	-	N
Di-n-octylphthalate	117-84-0	-	< 1.0	-	N
Benzo[b]fluoranthene	205-99-2	-	< 1.0	-	N
Benzo[k]fluoranthene	207-08-9	-	< 1.0	-	N
Benzo[a]pyrene	50-32-8	-	< 1.0	-	N
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 1.0	-	N
Dibenzo[a,h]anthracene	53-70-3	-	< 1.0	-	N
Benzo[g,h,i]perylene	191-24-2	-	< 1.0	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	91
Naphthalene-d8	89
Acenaphthene-d10	87
Phenanthrene-d10	88
Chrysene-d12	84
Perylene-d12	81

Surrogates	% Rec
2-Fluorophenol	79
Phenol-d5	76
Nitrobenzene-d5	77
2-Fluorobiphenyl	78
2,4,6-Tribromophenol	65
Terphenyl-d14	84

This analysis was conducted on an 'As Recieved' basis.

Concentrations are reported on a dry weight basis.

Semi-Volatile Organic Compounds

Accredited?: No

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn			Matrix:	Soil	QC Batch Number:	2222
Sample Details:	BH302 ES 3 0.50	Date Booked in:	16-Oct-10	Ext Method:	Ultrasonic	Multiplier:	0.2
LIMS ID Number:	CL1030887	Date Extracted:	21-Oct-10	Operator:	SO	Dilution Factor:	1
Job Number:	S10_7035M	Date Analysed:	23-Oct-10	Directory/Quant File:	22SVOC.MS16\ 1022_CCC3.D	GPC (Y/N)	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 2.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 0.6	-	N
2-Chlorophenol	95-57-8	-	< 2.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 0.6	-	N
1,4-Dichlorobenzene	106-46-7	-	< 0.6	-	N
Benzyl alcohol	100-51-6	-	< 0.6	-	N
1,2-Dichlorobenzene	95-50-1	-	< 0.6	-	N
2-Methylphenol	95-48-7	-	< 0.6	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.6	-	N
Hexachloroethane	67-72-1	-	< 0.6	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.6	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 2.0	-	N
Nitrobenzene	98-95-3	-	< 0.6	-	N
Isophorone	78-59-1	-	< 0.6	-	N
2-Nitrophenol	88-75-5	-	< 2.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 2.0	-	N
Benzoic Acid	65-85-0 *	-	< 11.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.6	-	N
2,4-Dichlorophenol	120-83-2	-	< 2.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 0.6	-	N
Naphthalene	91-20-3	6.97	0.5	100	N
4-Chlorophenol	106-48-9	-	< 2.0	-	N
4-Chloroaniline	106-47-8 *	-	< 0.6	-	N
Hexachlorobutadiene	87-68-3	-	< 0.6	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 0.6	-	N
2-Methylnaphthalene	91-57-6	7.71	0.8	100	N
1-Methylnaphthalene	90-12-0	7.81	0.5	73	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.6	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 2.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 2.0	-	N
2-Chloronaphthalene	91-58-7	-	< 0.2	-	N
Biphenyl	92-52-4	-	< 0.2	-	N
Diphenyl ether	101-84-8	-	< 0.2	-	N
2-Nitroaniline	88-74-4	-	< 0.6	-	N
Acenaphthylene	208-96-8	-	< 0.2	-	N
Dimethylphthalate	131-11-3	-	< 0.6	-	N
2,6-Dinitrotoluene	606-20-2	-	< 0.6	-	N
Acenaphthene	83-32-9	-	< 0.2	-	N
3-Nitroaniline	99-09-2	-	< 0.6	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 1.0	-	N
Dibenzofuran	132-64-9	-	< 0.6	-	N
4-Nitrophenol	100-02-7	-	< 6.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 0.6	-	N
Fluorene	86-73-7	-	< 0.2	-	N
Diethylphthalate	84-66-2	-	< 0.6	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.6	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 6.0	-	N
4-Nitroaniline	100-01-6	-	< 0.6	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.6	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 0.6	-	N
Hexachlorobenzene	118-74-1	-	< 0.6	-	N
Pentachlorophenol	87-86-5	-	< 6.0	-	N
Phenanthrene	85-01-8	-	< 0.2	-	N
Anthracene	120-12-7	-	< 0.2	-	N
Di-n-butylphthalate	84-74-2	-	< 0.6	-	N
Fluoranthene	206-44-0	-	< 0.2	-	N
Pyrene	129-00-0	-	< 0.2	-	N
Butylbenzylphthalate	85-68-7	-	< 0.6	-	N
Benzo[a]anthracene	56-55-3	-	< 0.2	-	N
Chrysene	218-01-9	-	< 0.2	-	N
3,3'-Dichlorobenzidine	91-94-1	-	< 2.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	15.34	1.8	100	N
Di-n-octylphthalate	117-84-0	-	< 0.2	-	N
Benzo[b]fluoranthene	205-99-2	-	< 0.2	-	N
Benzo[k]fluoranthene	207-08-9	-	< 0.2	-	N
Benzo[a]pyrene	50-32-8	-	< 0.2	-	N
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.2	-	N
Dibenzo[a,h]anthracene	53-70-3	-	< 0.2	-	N
Benzo[g,h,i]perylene	191-24-2	-	< 0.2	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	87
Naphthalene-d8	87
Acenaphthene-d10	89
Phenanthrene-d10	88
Chrysene-d12	83
Perylene-d12	83

Surrogates	% Rec
2-Fluorophenol	66
Phenol-d5	68
Nitrobenzene-d5	70
2-Fluorobiphenyl	71
2,4,6-Tribromophenol	66
Terphenyl-d14	75

This analysis was conducted on an 'As Recieved' basis.

Concentrations are reported on a dry weight basis.

Semi-Volatile Organic Compounds

Accredited?: No

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn			Matrix:	Soil	QC Batch Number:	2222
Sample Details:	BH303 ES 12 3.00	Date Booked in:	16-Oct-10	Ext Method:	Ultrasonic	Multiplier:	0.2
LIMS ID Number:	CL1030889	Date Extracted:	21-Oct-10	Operator:	SO	Dilution Factor:	1
Job Number:	S10_7035M	Date Analysed:	23-Oct-10	Directory/Quant File:	22SVOC.MS16\ 1022_CCC3.D	GPC (Y/N)	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 2.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 0.6	-	N
2-Chlorophenol	95-57-8	-	< 2.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 0.6	-	N
1,4-Dichlorobenzene	106-46-7	-	< 0.6	-	N
Benzyl alcohol	100-51-6	-	< 0.6	-	N
1,2-Dichlorobenzene	95-50-1	-	< 0.6	-	N
2-Methylphenol	95-48-7	-	< 0.6	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.6	-	N
Hexachloroethane	67-72-1	-	< 0.6	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.6	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 2.0	-	N
Nitrobenzene	98-95-3	-	< 0.6	-	N
Isophorone	78-59-1	-	< 0.6	-	N
2-Nitrophenol	88-75-5	-	< 2.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 2.0	-	N
Benzoic Acid	65-85-0 *	-	< 12.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.6	-	N
2,4-Dichlorophenol	120-83-2	-	< 2.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 0.6	-	N
Naphthalene	91-20-3	-	< 0.2	-	N
4-Chlorophenol	106-48-9	-	< 2.0	-	N
4-Chloroaniline	106-47-8 *	-	< 0.6	-	N
Hexachlorobutadiene	87-68-3	-	< 0.6	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 0.6	-	N
2-Methylnaphthalene	91-57-6	-	< 0.2	-	N
1-Methylnaphthalene	90-12-0	-	< 0.2	-	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.6	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 2.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 2.0	-	N
2-Chloronaphthalene	91-58-7	-	< 0.2	-	N
Biphenyl	92-52-4	-	< 0.2	-	N
Diphenyl ether	101-84-8	-	< 0.2	-	N
2-Nitroaniline	88-74-4	-	< 0.6	-	N
Acenaphthylene	208-96-8	-	< 0.2	-	N
Dimethylphthalate	131-11-3	-	< 0.6	-	N
2,6-Dinitrotoluene	606-20-2	-	< 0.6	-	N
Acenaphthene	83-32-9	-	< 0.2	-	N
3-Nitroaniline	99-09-2	-	< 0.6	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 1.0	-	N
Dibenzofuran	132-64-9	-	< 0.6	-	N
4-Nitrophenol	100-02-7	-	< 6.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 0.6	-	N
Fluorene	86-73-7	-	< 0.2	-	N
Diethylphthalate	84-66-2	-	< 0.6	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.6	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 6.0	-	N
4-Nitroaniline	100-01-6	-	< 0.6	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.6	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 0.6	-	N
Hexachlorobenzene	118-74-1	-	< 0.6	-	N
Pentachlorophenol	87-86-5	-	< 6.0	-	N
Phenanthrene	85-01-8	-	< 0.2	-	N
Anthracene	120-12-7	-	< 0.2	-	N
Di-n-butylphthalate	84-74-2	-	< 0.6	-	N
Fluoranthene	206-44-0	-	< 0.2	-	N
Pyrene	129-00-0	-	< 0.2	-	N
Butylbenzylphthalate	85-68-7	-	< 0.6	-	N
Benzo[a]anthracene	56-55-3	-	< 0.2	-	N
Chrysene	218-01-9	-	< 0.2	-	N
3,3'-Dichlorobenzidine	91-94-1	-	< 2.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.6	-	N
Di-n-octylphthalate	117-84-0	-	< 0.2	-	N
Benzo[b]fluoranthene	205-99-2	-	< 0.2	-	N
Benzo[k]fluoranthene	207-08-9	-	< 0.2	-	N
Benzo[a]pyrene	50-32-8	-	< 0.2	-	N
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.2	-	N
Dibenzo[a,h]anthracene	53-70-3	-	< 0.2	-	N
Benzo[g,h,i]perylene	191-24-2	-	< 0.2	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	89
Naphthalene-d8	89
Acenaphthene-d10	89
Phenanthrene-d10	89
Chrysene-d12	84
Perylene-d12	81

Surrogates	% Rec
2-Fluorophenol	67
Phenol-d5	67
Nitrobenzene-d5	68
2-Fluorobiphenyl	66
2,4,6-Tribromophenol	54
Terphenyl-d14	65

This analysis was conducted on an 'As Recieved' basis.

Concentrations are reported on a dry weight basis.

Semi-Volatile Organic Compounds

Accredited?: No

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn			Matrix:	Soil	QC Batch Number:	2222
Sample Details:	WS102 ES 7 2.44	Date Booked in:	16-Oct-10	Ext Method:	Ultrasonic	Multiplier:	0.2
LIMS ID Number:	CL1030893	Date Extracted:	21-Oct-10	Operator:	SO	Dilution Factor:	1
Job Number:	S10_7035M	Date Analysed:	23-Oct-10	Directory/Quant File:	22SVOC.MS16\ 1022_CCC3.D	GPC (Y/N)	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 3.0	-	N
bis(2-Chloroethyl)ether	111-44-4	-	< 0.7	-	N
2-Chlorophenol	95-57-8	-	< 3.0	-	N
1,3-Dichlorobenzene	541-73-1	-	< 0.7	-	N
1,4-Dichlorobenzene	106-46-7	-	< 0.7	-	N
Benzyl alcohol	100-51-6	-	< 0.7	-	N
1,2-Dichlorobenzene	95-50-1	-	< 0.7	-	N
2-Methylphenol	95-48-7	-	< 0.7	-	N
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.7	-	N
Hexachloroethane	67-72-1	-	< 0.7	-	N
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.7	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 3.0	-	N
Nitrobenzene	98-95-3	-	< 0.7	-	N
Isophorone	78-59-1	-	< 0.7	-	N
2-Nitrophenol	88-75-5	-	< 3.0	-	N
2,4-Dimethylphenol	105-67-9	-	< 3.0	-	N
Benzoic Acid	65-85-0 *	-	< 14.0	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.7	-	N
2,4-Dichlorophenol	120-83-2	-	< 3.0	-	N
1,2,4-Trichlorobenzene	120-82-1	-	< 0.7	-	N
Naphthalene	91-20-3	-	< 0.3	-	N
4-Chlorophenol	106-48-9	-	< 3.0	-	N
4-Chloroaniline	106-47-8 *	-	< 0.7	-	N
Hexachlorobutadiene	87-68-3	-	< 0.7	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 0.7	-	N
2-Methylnaphthalene	91-57-6	7.71	0.4	100	N
1-Methylnaphthalene	90-12-0	-	< 0.3	-	N
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.7	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 3.0	-	N
2,4,5-Trichlorophenol	95-95-4	-	< 3.0	-	N
2-Chloronaphthalene	91-58-7	-	< 0.3	-	N
Biphenyl	92-52-4	-	< 0.3	-	N
Diphenyl ether	101-84-8	-	< 0.3	-	N
2-Nitroaniline	88-74-4	-	< 0.7	-	N
Acenaphthylene	208-96-8	-	< 0.3	-	N
Dimethylphthalate	131-11-3	-	< 0.7	-	N
2,6-Dinitrotoluene	606-20-2	-	< 0.7	-	N
Acenaphthene	83-32-9	-	< 0.3	-	N
3-Nitroaniline	99-09-2	-	< 0.7	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5 *	-	< 1.0	-	N
Dibenzofuran	132-64-9	-	< 0.7	-	N
4-Nitrophenol	100-02-7	-	< 7.0	-	N
2,4-Dinitrotoluene	121-14-2	-	< 0.7	-	N
Fluorene	86-73-7	-	< 0.3	-	N
Diethylphthalate	84-66-2	-	< 0.7	-	N
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.7	-	N
4,6-Dinitro-2-methylphenol	534-52-1	-	< 7.0	-	N
4-Nitroaniline	100-01-6	-	< 0.7	-	N
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.7	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 0.7	-	N
Hexachlorobenzene	118-74-1	-	< 0.7	-	N
Pentachlorophenol	87-86-5	-	< 7.0	-	N
Phenanthrene	85-01-8	11.07	0.4	100	N
Anthracene	120-12-7	-	< 0.3	-	N
Di-n-butylphthalate	84-74-2	-	< 0.7	-	N
Fluoranthene	206-44-0	12.90	0.7	100	N
Pyrene	129-00-0	13.25	0.6	100	N
Butylbenzylphthalate	85-68-7	-	< 0.7	-	N
Benzo[a]anthracene	56-55-3	15.16	0.3	100	N
Chrysene	218-01-9	15.22	0.3	100	N
3,3'-Dichlorobenzidine	91-94-1	-	< 3.0	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.7	-	N
Di-n-octylphthalate	117-84-0	-	< 0.3	-	N
Benzo[b]fluoranthene	205-99-2	16.77	0.4	100	N
Benzo[k]fluoranthene	207-08-9	-	< 0.3	-	N
Benzo[a]pyrene	50-32-8	17.22	0.3	100	N
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.3	-	N
Dibenzo[a,h]anthracene	53-70-3	-	< 0.3	-	N
Benzo[g,h,i]perylene	191-24-2	-	< 0.3	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	93
Naphthalene-d8	93
Acenaphthene-d10	93
Phenanthrene-d10	93
Chrysene-d12	87
Perylene-d12	87

Surrogates	% Rec
2-Fluorophenol	77
Phenol-d5	76
Nitrobenzene-d5	72
2-Fluorobiphenyl	71
2,4,6-Tribromophenol	69
Terphenyl-d14	78

This analysis was conducted on an 'As Recieved' basis.

Concentrations are reported on a dry weight basis.

Gasoline Range Organics (BTEX and Aliphatic Carbon Ranges)

Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7035
Directory: D:\TES\DATA\Y2010\1020HSA_GC12\102010H 2010-10-22 05-48-06\095F3201.D
Method: Headspace GCFID
Accreditation Code: N

Matrix: Soil
Date Booked in: 16-Oct-10
Date extracted: 20-Oct-10
Date Analysed: 22-Oct-10, 15:39

Sample ID	Client ID	Concentration, (mg/kg) - as dry weight.					Aliphatics				
		Benzene	Toluene	Ethyl benzene	m/p-Xylene	o-Xylene	C5 - C6	>C6 - C7	>C7 - C8	>C8 - C10	Total GRO
* CL1030884	BH101 ES 1 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030885	BH101 ES 2 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030886	BH105 ES 3 1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030887	BH302 ES 3 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030888	BH302 ES 17 5.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.3	<0.3	<0.3	<0.3	<0.3
* CL1030889	BH303 ES 12 3.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030890	BH303 ES 18 5.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.3	<0.3	<0.3	<0.3	<0.3
* CL1030891	BH303 ES 28 7.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030892	WS102 ES 3 1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030893	WS102 ES 7 2.44	<0.01	<0.01	<0.01	0.021	<0.01	<0.3	<0.3	<0.3	<0.3	<0.3
* CL1030894	WS102 ES 11 4.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030895	WS301 ES 2 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030896	WS301 ES 5 1.90	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030897	WS301 ES 9 4.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.3	<0.3	<0.3	<0.3	<0.3
* CL1030898	WS302 ES 3 1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030899	WS302 ES 9 4.40	<0.02	<0.02	<0.02	<0.02	<0.02	<0.3	<0.3	<0.3	<0.3	<0.3
* CL1030900	WS303 ES 3 1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1030901	WS303 ES 9 3.90	<0.01	<0.01	<0.01	<0.01	<0.01	<0.3	<0.3	<0.3	<0.3	<0.3

Note: Benzene elutes between C6 and C7, toluene elutes between C7 and C8, ethyl benzene and the xylenes elute between C8 and C9.

Xylenes have been deducted from the C8-C10 band to give the aliphatic fraction, however aromatic compounds may still be contributing to this fraction.

ALIPHATIC / AROMATIC FRACTION BY GC/FID

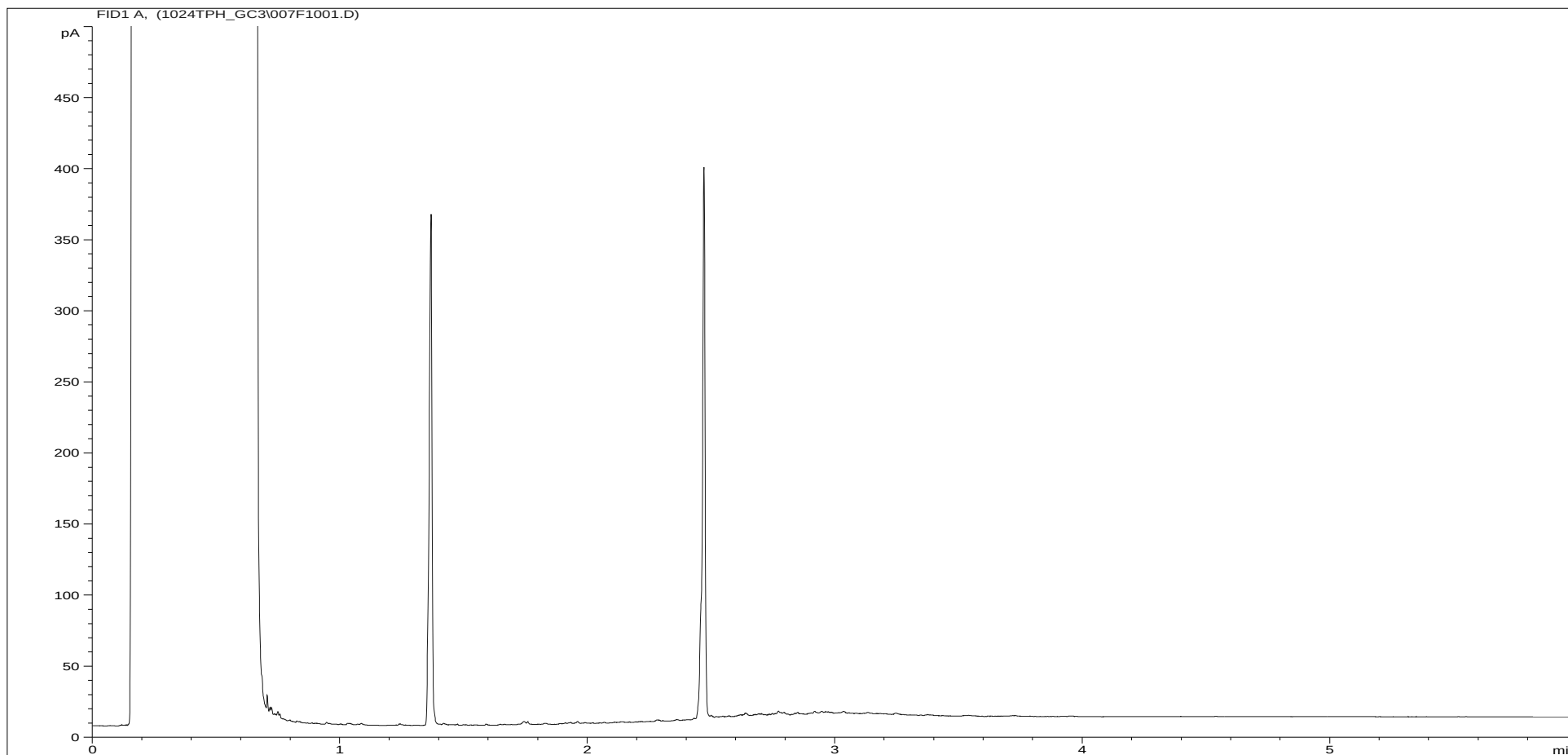
Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7035
QC Batch Number: 102237
Directory: D:\TES\DATA\Y2010\1024TPH_GC3\073B2701.D
Method: Ultra Sonic

Separation: Silica gel
Eluents: Hexane, DCM

Matrix: Soil
Date Booked in 16-Oct-10
Date Extracted 23-Oct-10
Date Analysed: 24-Oct-10

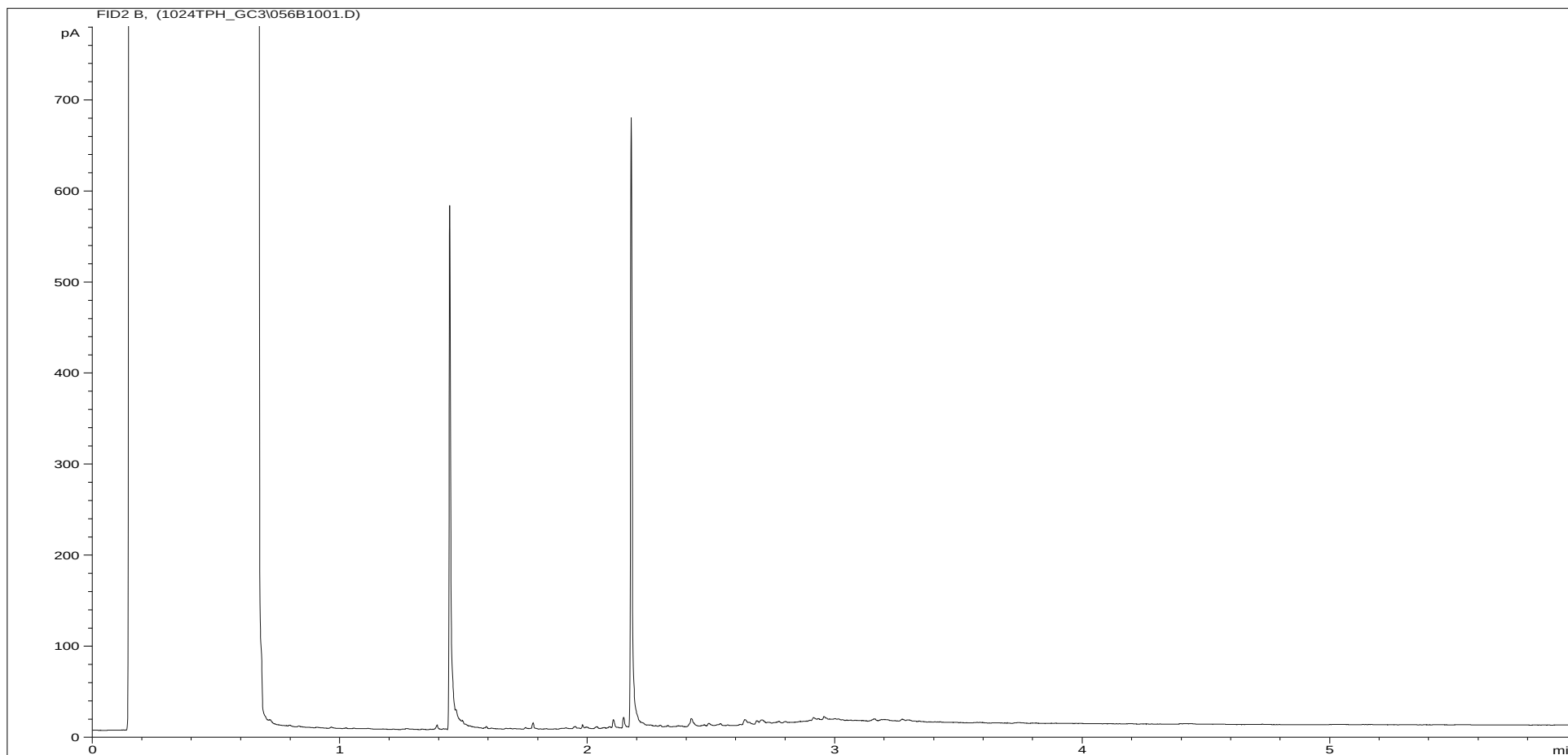
This sample data is not accredited.		Concentration, (mg/kg) - as dry weight.											
		>C8 - C10		>C10 - C12		>C12 - C16		>C16 - C21		>C21 - C35		>C8 - C40	
Sample ID	Client ID	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics
CL1030884	BH101 ES 1 0.30	<4.6	<4	<4.6	<4	38	4.71	<4.6	4.5	<10.1	37.8	39.9	62.8
CL1030885	BH101 ES 2 0.50	<4	<4	<4	<4	<4	<4	<4	<4	<9.70	<9.70	<22	<22
CL1030886	BH105 ES 3 1.00	<5	<5	<5	<5	<5	<5	<5	<5	<10.31	<10.31	<24	<24
CL1030887	BH302 ES 3 0.50	<5	<5	<5	<5	<5	7.37	<5	7.35	<10.02	37	<23	62.1
CL1030888	BH302 ES 17 5.00	<5	<5	<5	<5	<5	<5	<5	<5	<10.96	<10.96	<25	<25
CL1030889	BH303 ES 12 3.00	<5	<5	<5	<5	<5	<5	<5	<5	<10.42	<10.42	<24	<24
CL1030890	BH303 ES 18 5.00	<5.60	<5	<5.60	<5	115.5	5.95	<5.60	7.57	<12.3	31.1	118.7	50.7
CL1030891	BH303 ES 28 7.00	<5.21	<5	<5.21	<5	<5.21	<5	<5.21	<5	<11.5	<10.35	<26	<24
CL1030892	WS102 ES 3 1.00	<5.20	<5	<5.20	<5	<5.20	<5	<5.20	<5	<11.4	<10.33	<26	<24
CL1030893	WS102 ES 7 2.44	<6	<6	<6	<6	<6	<6	<6	<6	<12.41	<12.41	<28	<28
CL1030894	WS102 ES 11 4.10	<5.44	<5	<5.44	<5	<5.44	<5	<5.44	<5	<12.0	<10.80	<27	<25
CL1030895	WS301 ES 2 0.50	<4.85	<4	<4.85	<4	84.4	14.6	384	125	244	135	735	305
CL1030896	WS301 ES 5 1.90	<4.83	<4	<4.83	<4	6.51	11.5	11	10.2	69.3	33.8	93.3	62
CL1030897	WS301 ES 9 4.20	<7	<7	<7	<7	<7	<7	<7	<7	65.5	33.5	80.7	51
CL1030898	WS302 ES 3 1.00	<4.97	<5	<4.97	<5	5.54	7.39	11	8.1	42.6	33.9	65	60.2
CL1030899	WS302 ES 9 4.40	<6.7	<6	<6.7	<6	<6.7	<6	<6.7	<6	<14.6	<13.60	<33.4	<31
CL1030900	WS303 ES 3 1.00	<4.8	<4	<4.8	<4	<4.8	11.9	<4.8	12.8	<10.5	31.7	<24.1	63
CL1030901	WS303 ES 9 3.90	<6.60	<6	<6.60	<6	15	<6	18	<6	103	<12.25	144	<28

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



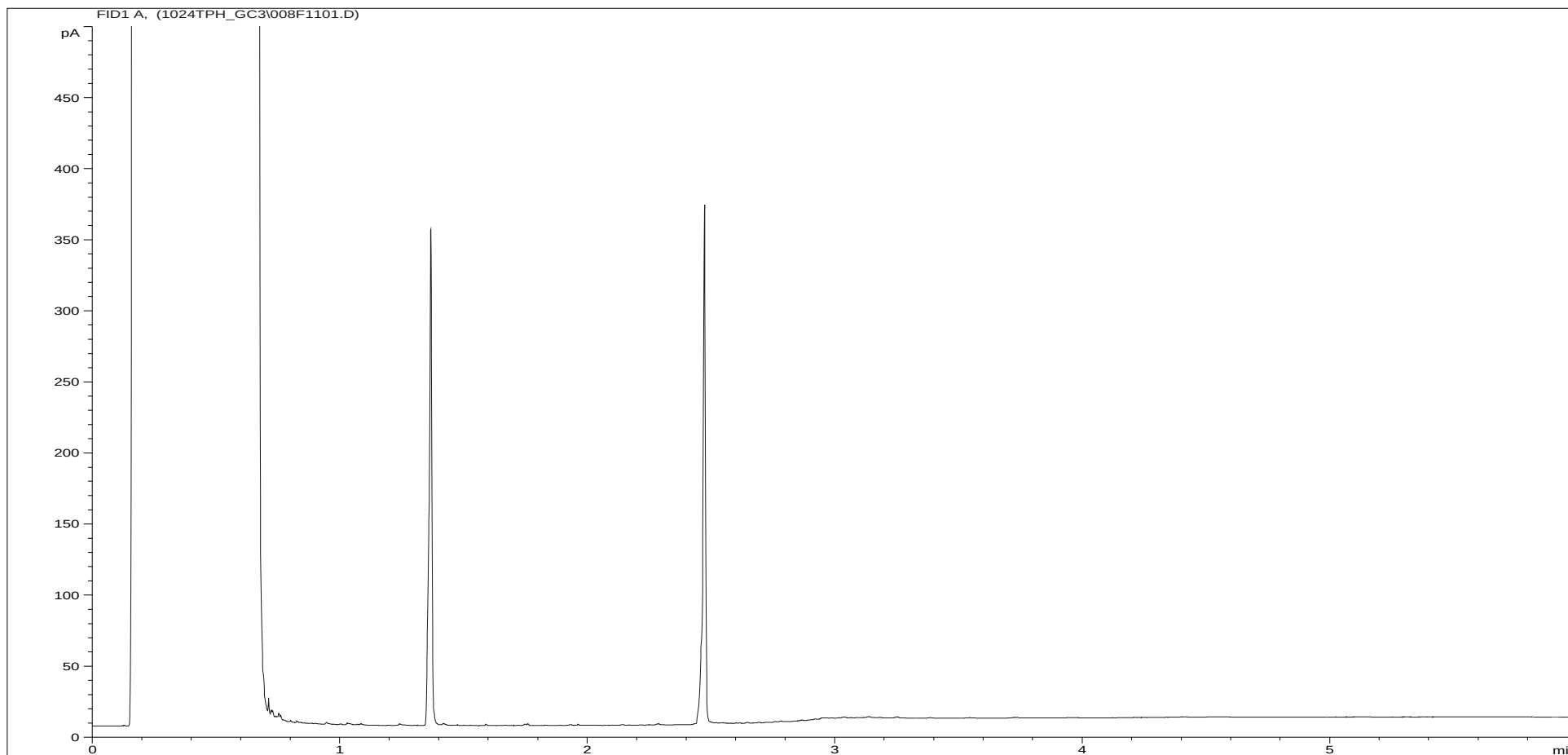
Sample ID:	CL1030884ALI	Job Number:	S10_7035M
Multiplier:	16.8	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH101 ES 1 0.30
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\007F1001.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



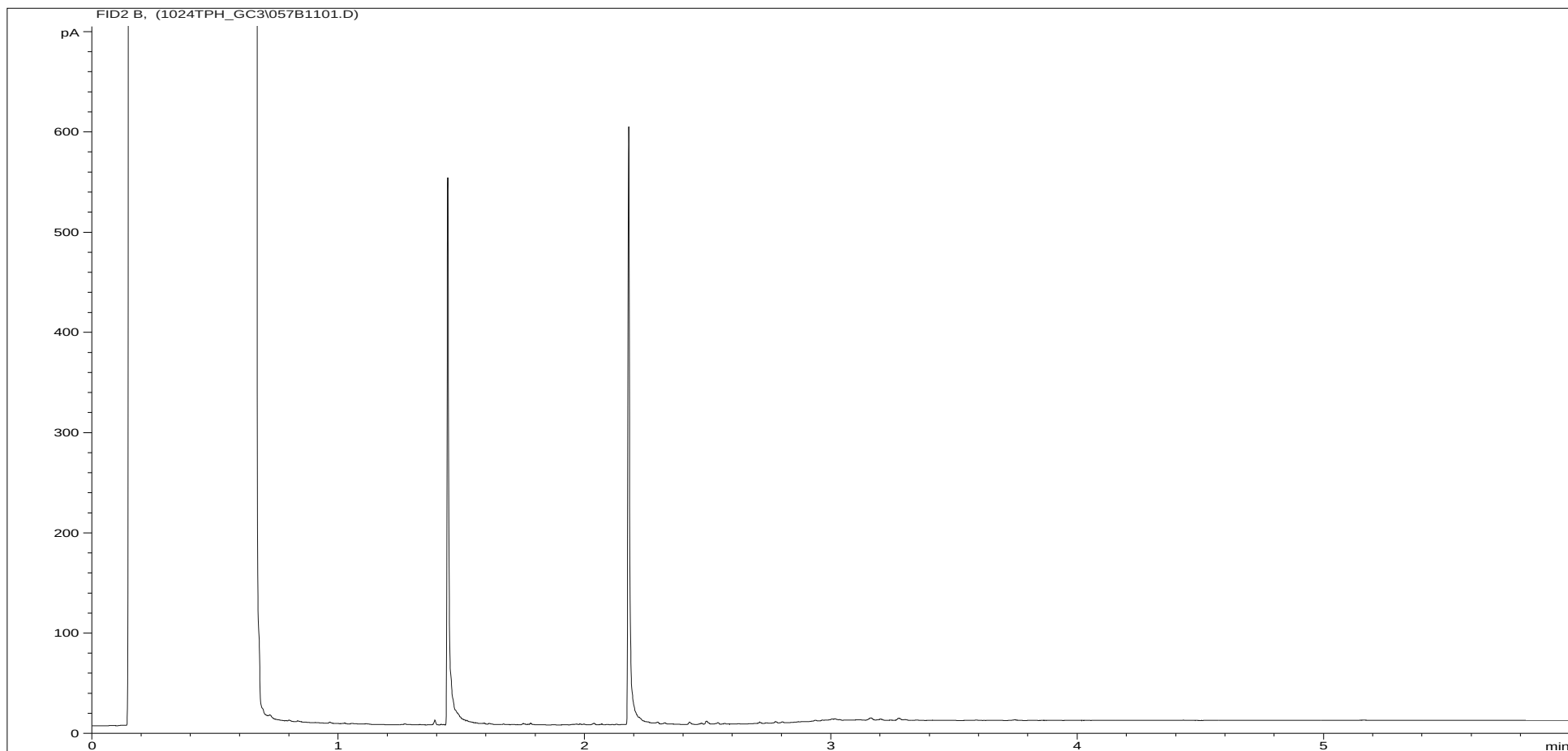
Sample ID:	CL1030884ARO	Job Number:	S10_7035M
Multiplier:	12.18	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH101 ES 1 0.30
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\056B1001.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



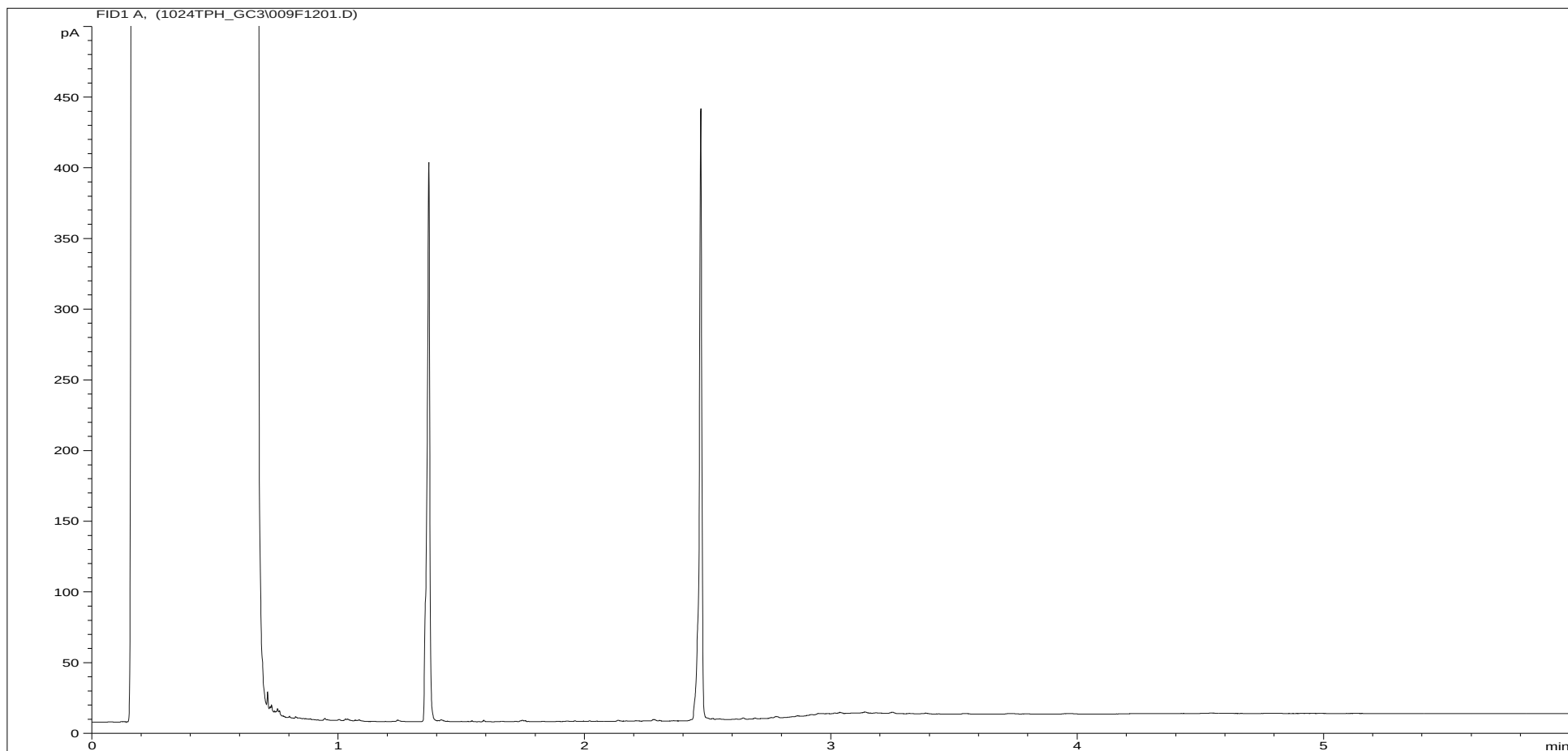
Sample ID:	CL1030885ALI	Job Number:	S10_7035M
Multiplier:	15.96	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH101 ES 2 0.50
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\008F1101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030885ARO	Job Number:	S10_7035M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH101 ES 2 0.50
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\057B1101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030886ALI

Multiplier: 15.96

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\009F1201.D

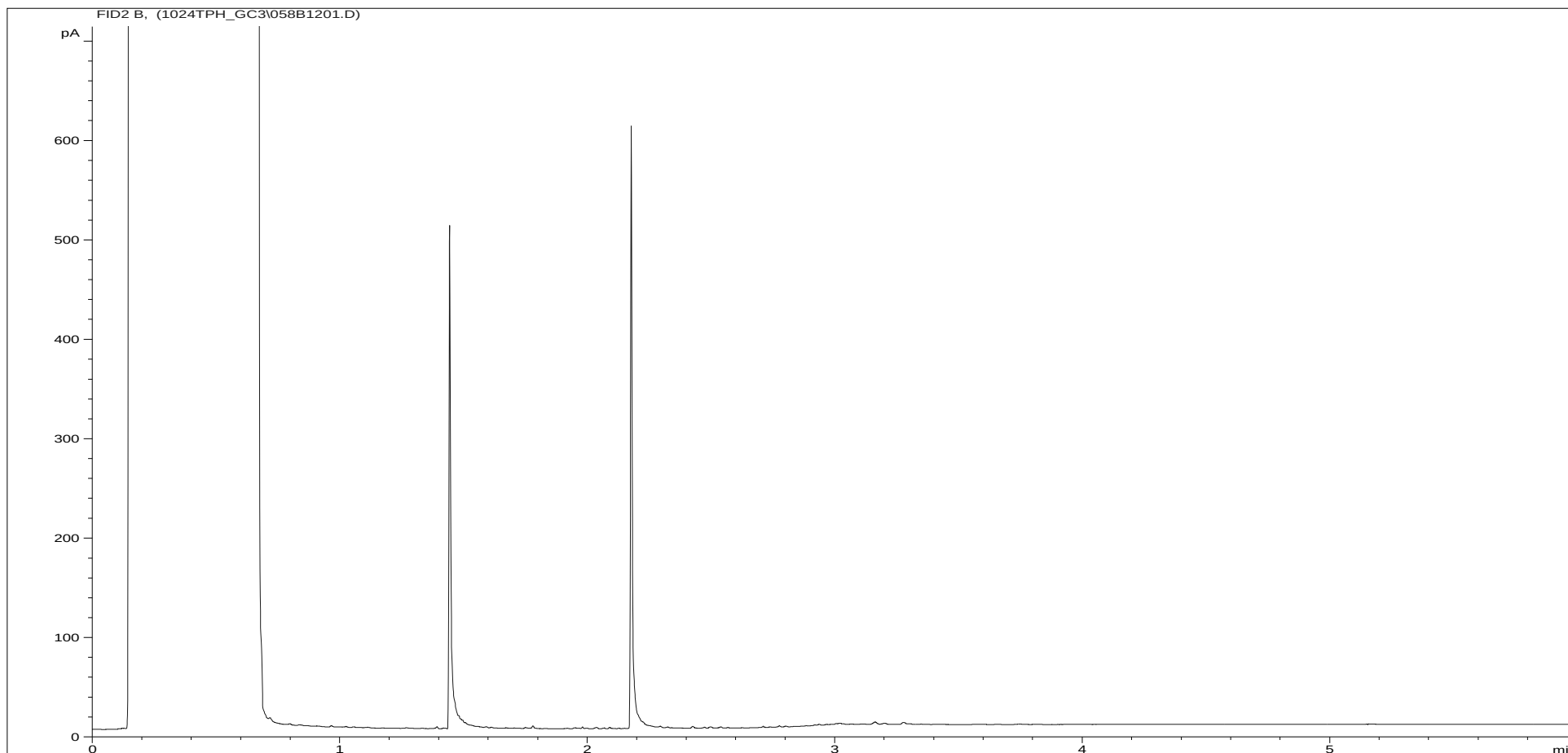
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

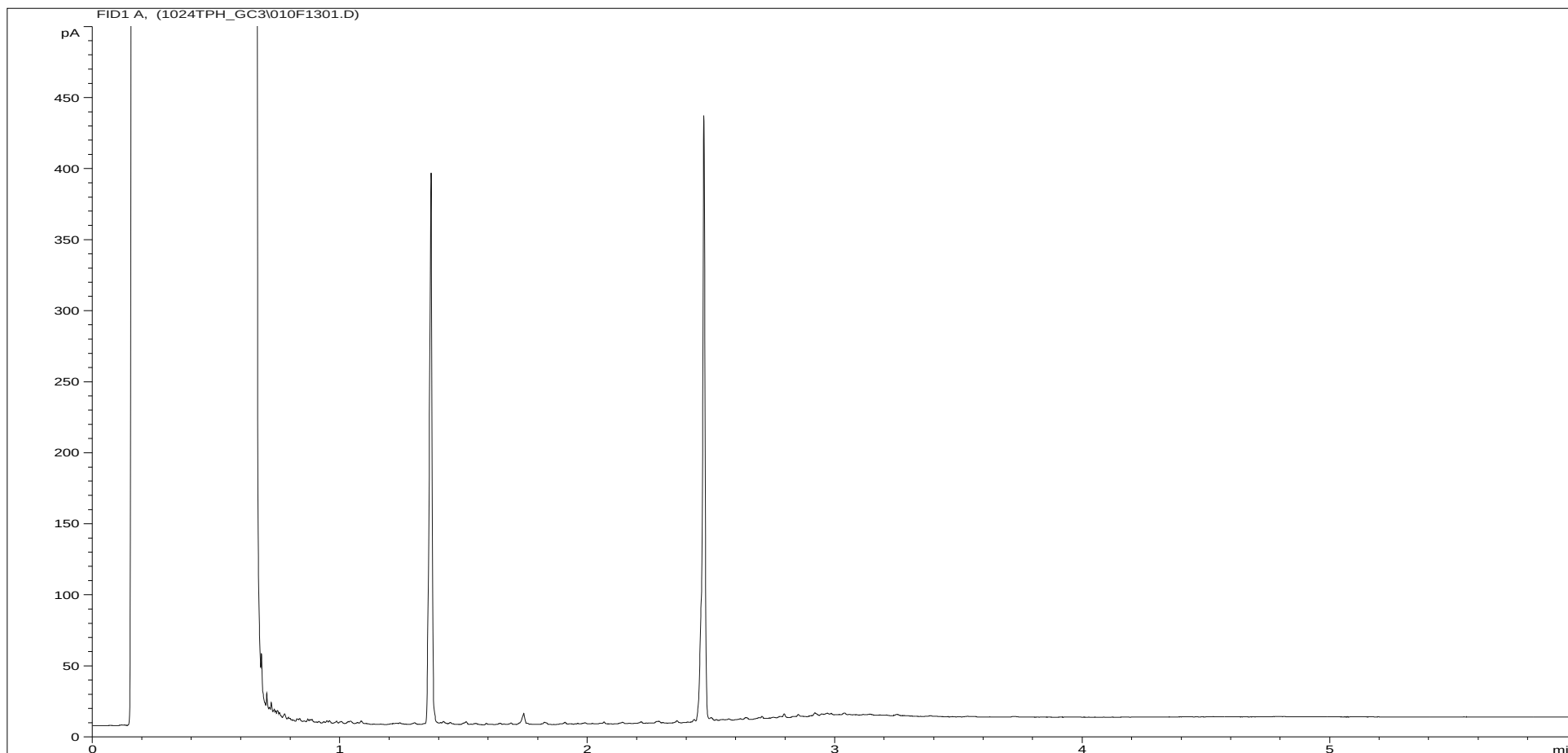
Client Sample Ref: BH105 ES 3 1.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030886ARO	Job Number:	S10_7035M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH105 ES 3 1.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\058B1201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030887ALI

Multiplier: 15.58

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\010F1301.D

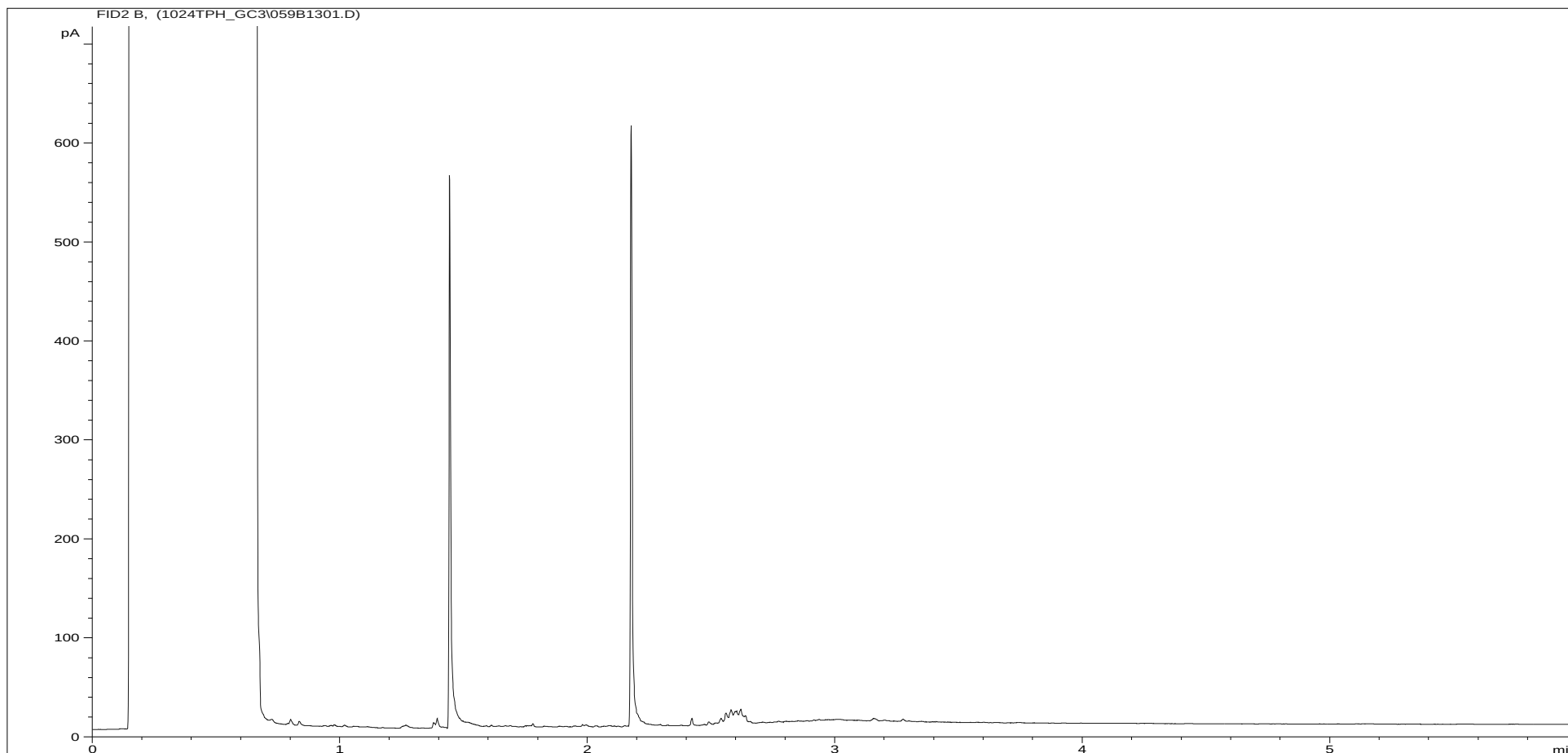
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

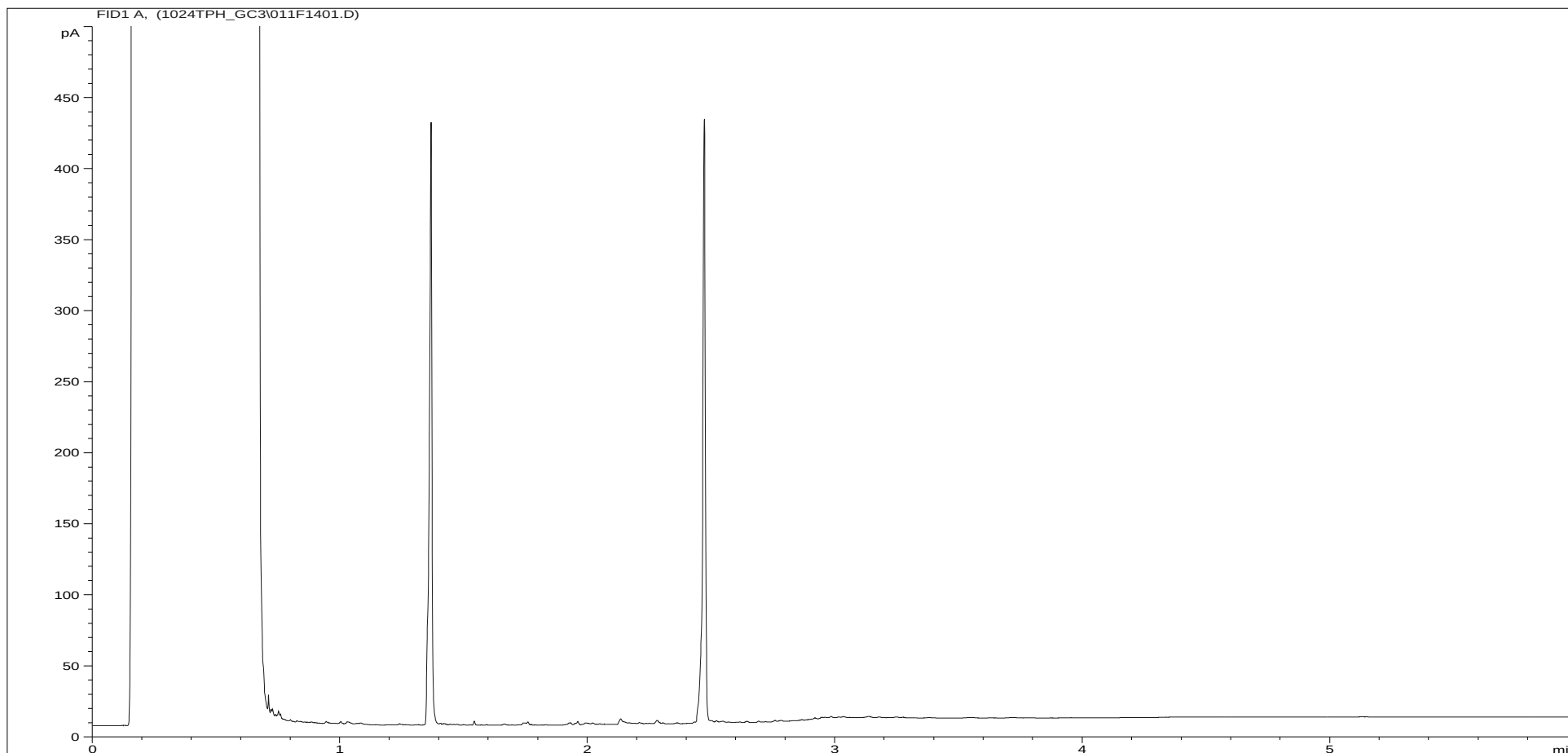
Client Sample Ref: BH302 ES 3 0.50

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030887ARO	Job Number:	S10_7035M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH302 ES 3 0.50
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\059B1301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030888ALI

Multiplier: 15.58

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\011F1401.D

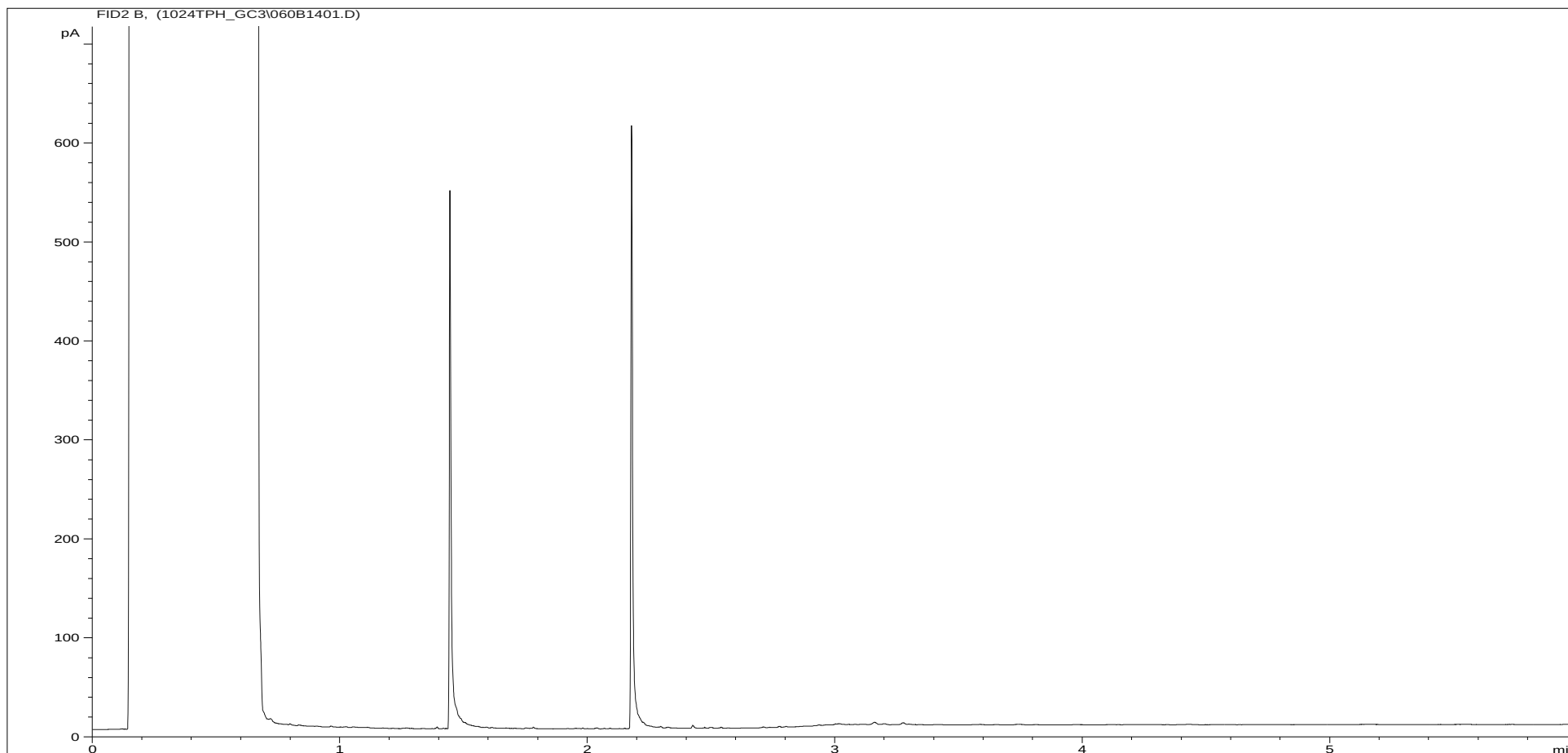
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: BH302 ES 17 5.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030888ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\060B1401.D

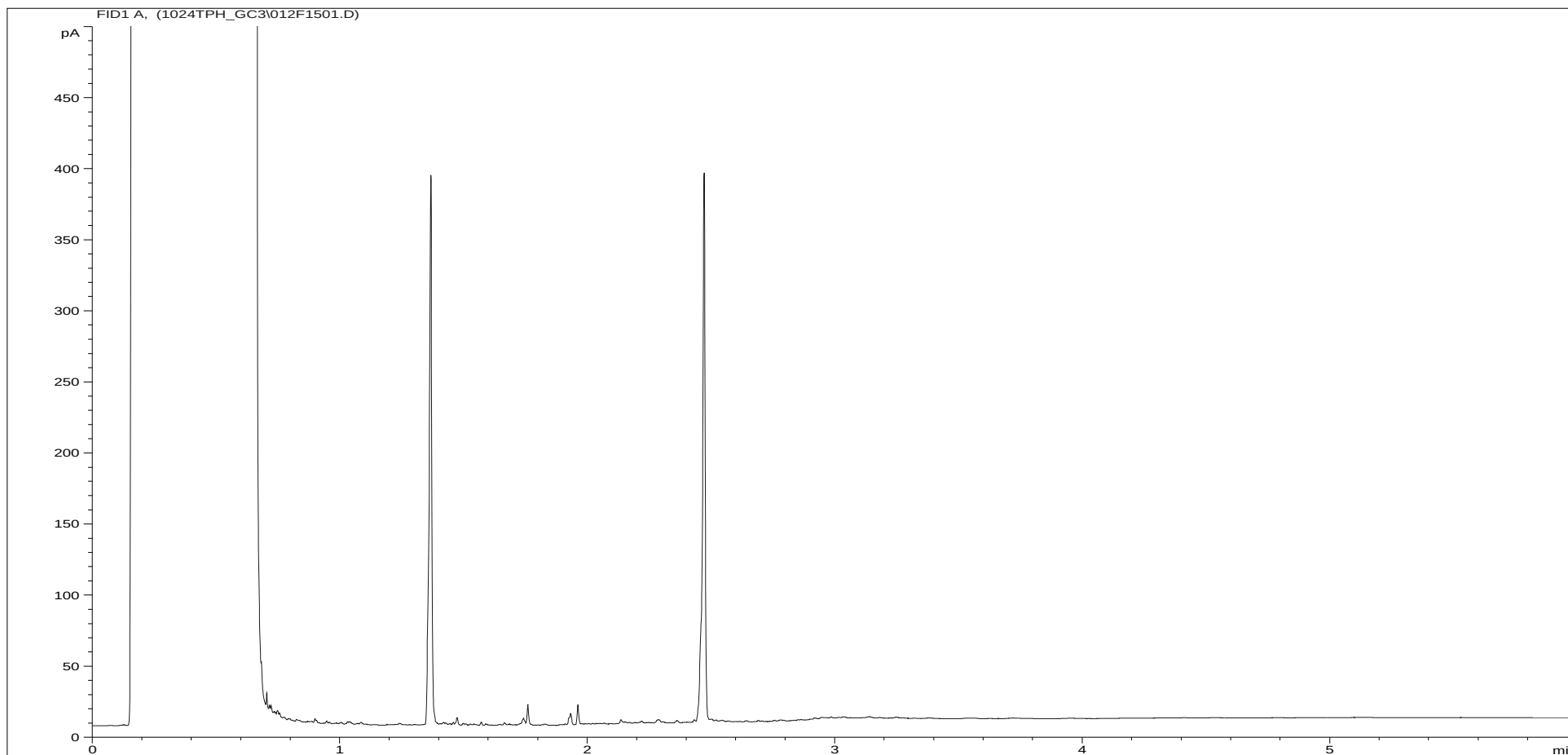
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

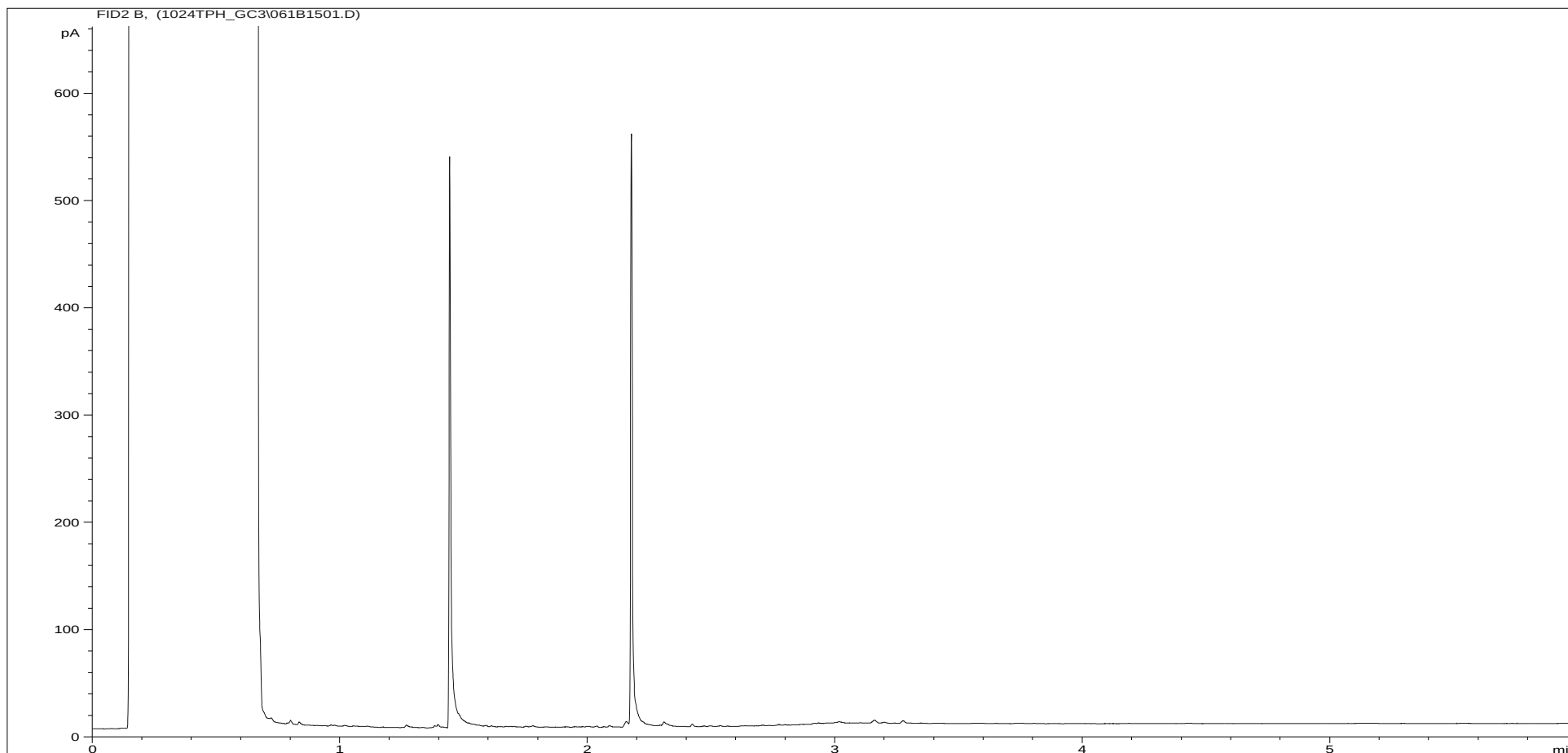
Client Sample Ref: BH302 ES 17 5.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030889ALI	Job Number:	S10_7035M
Multiplier:	15.96	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH303 ES 12 3.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\012F1501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030889ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\061B1501.D

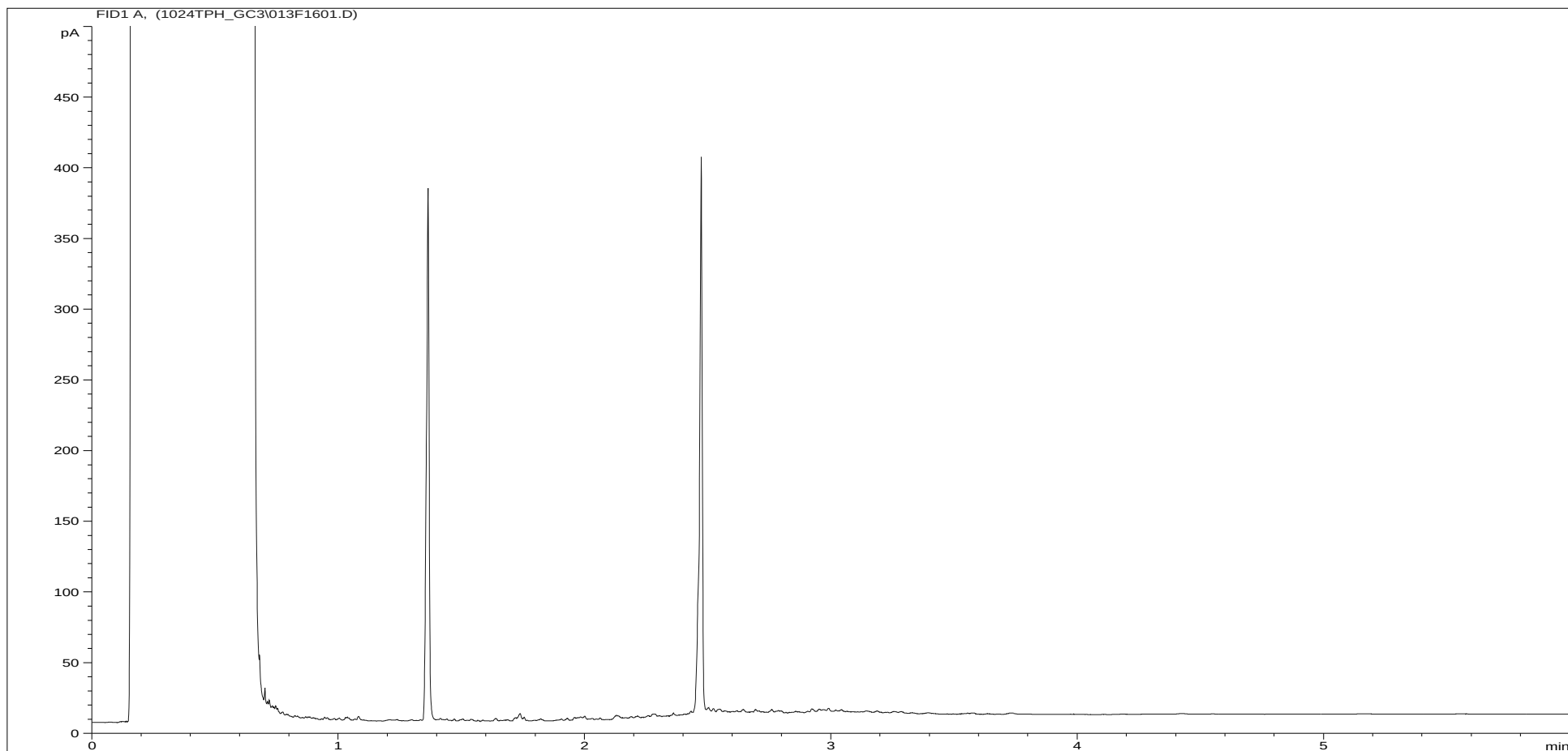
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

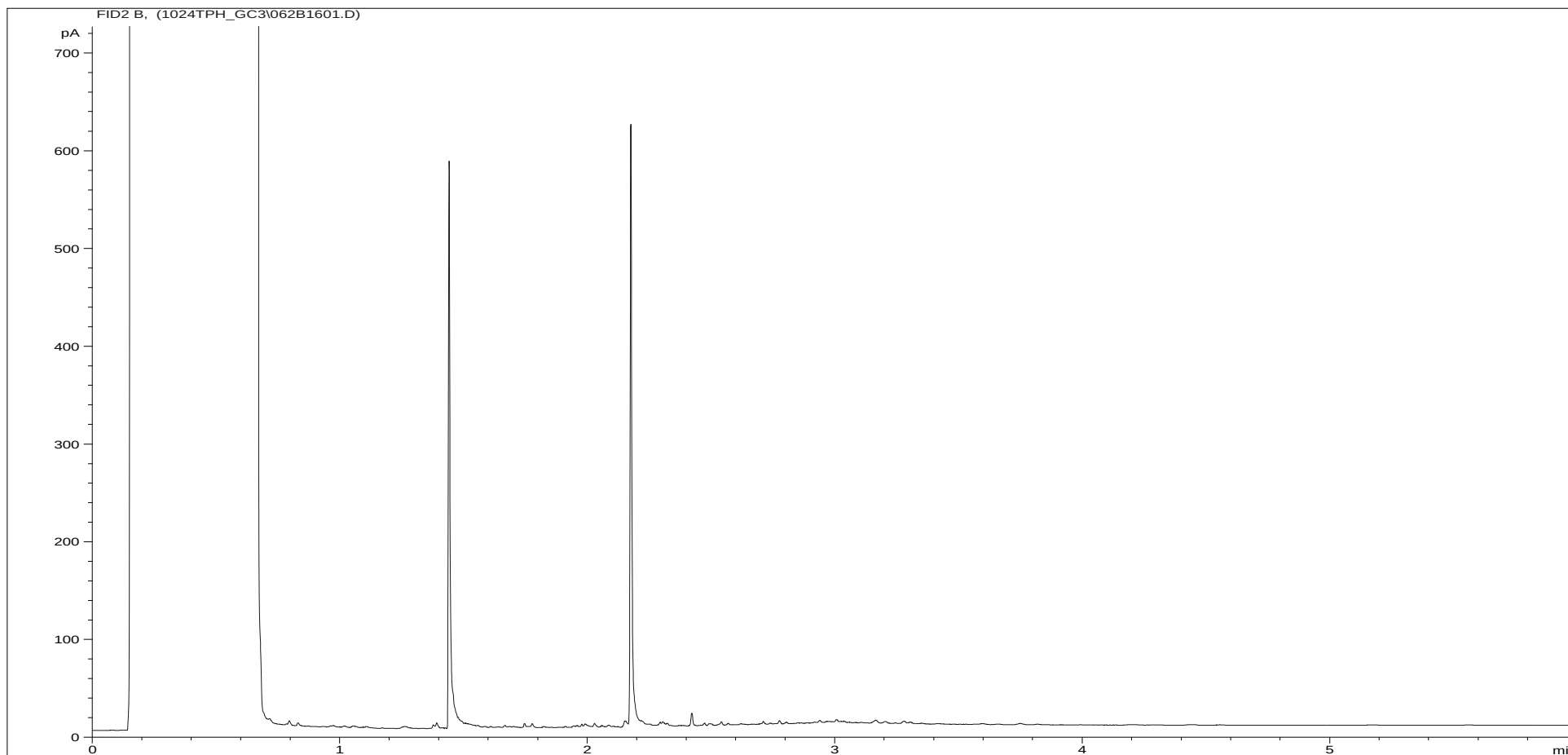
Client Sample Ref: BH303 ES 12 3.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



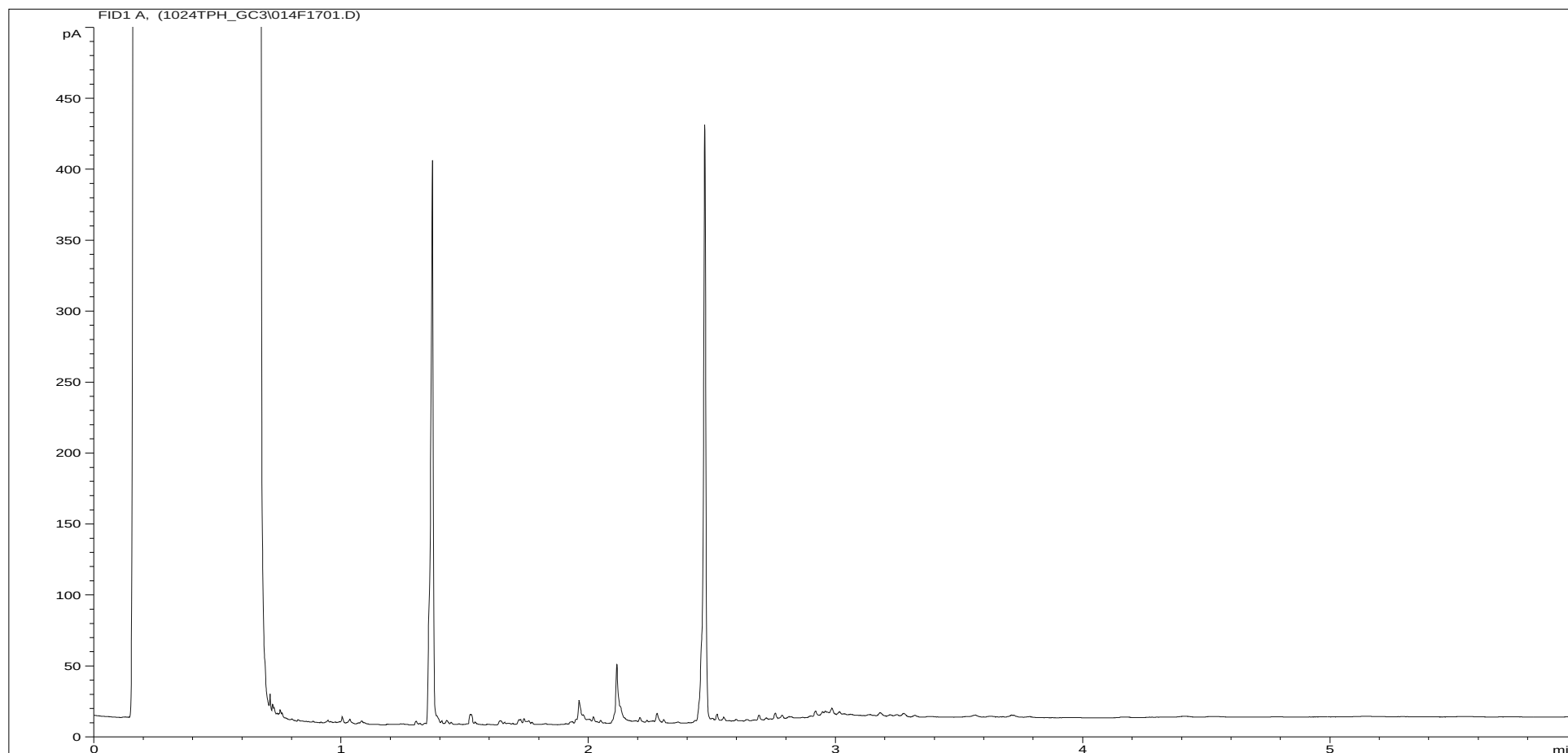
Sample ID:	CL1030890ALI	Job Number:	S10_7035M
Multiplier:	17.64	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH303 ES 18 5.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\013F1601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



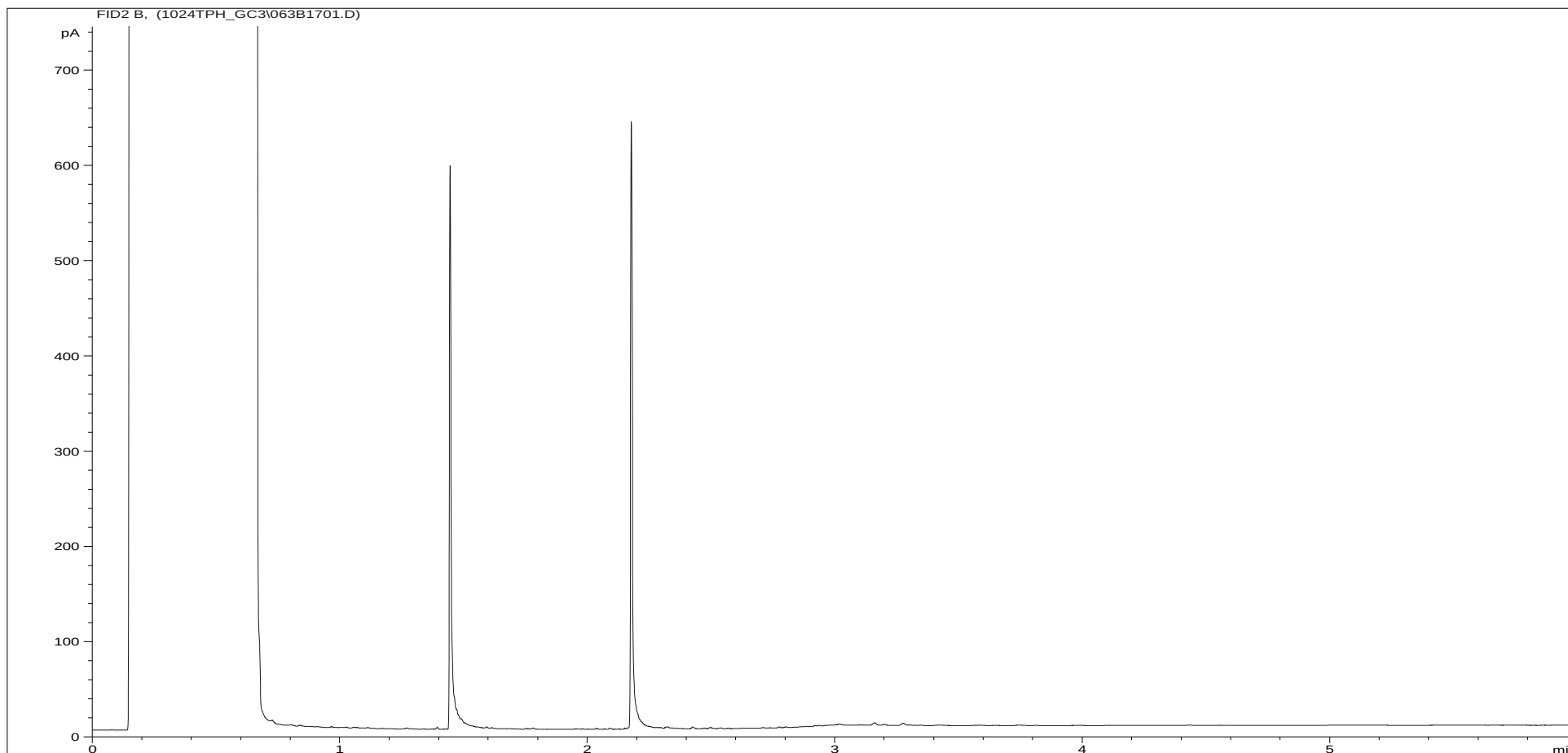
Sample ID:	CL1030890ARO	Job Number:	S10_7035M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH303 ES 18 5.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\062B1601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



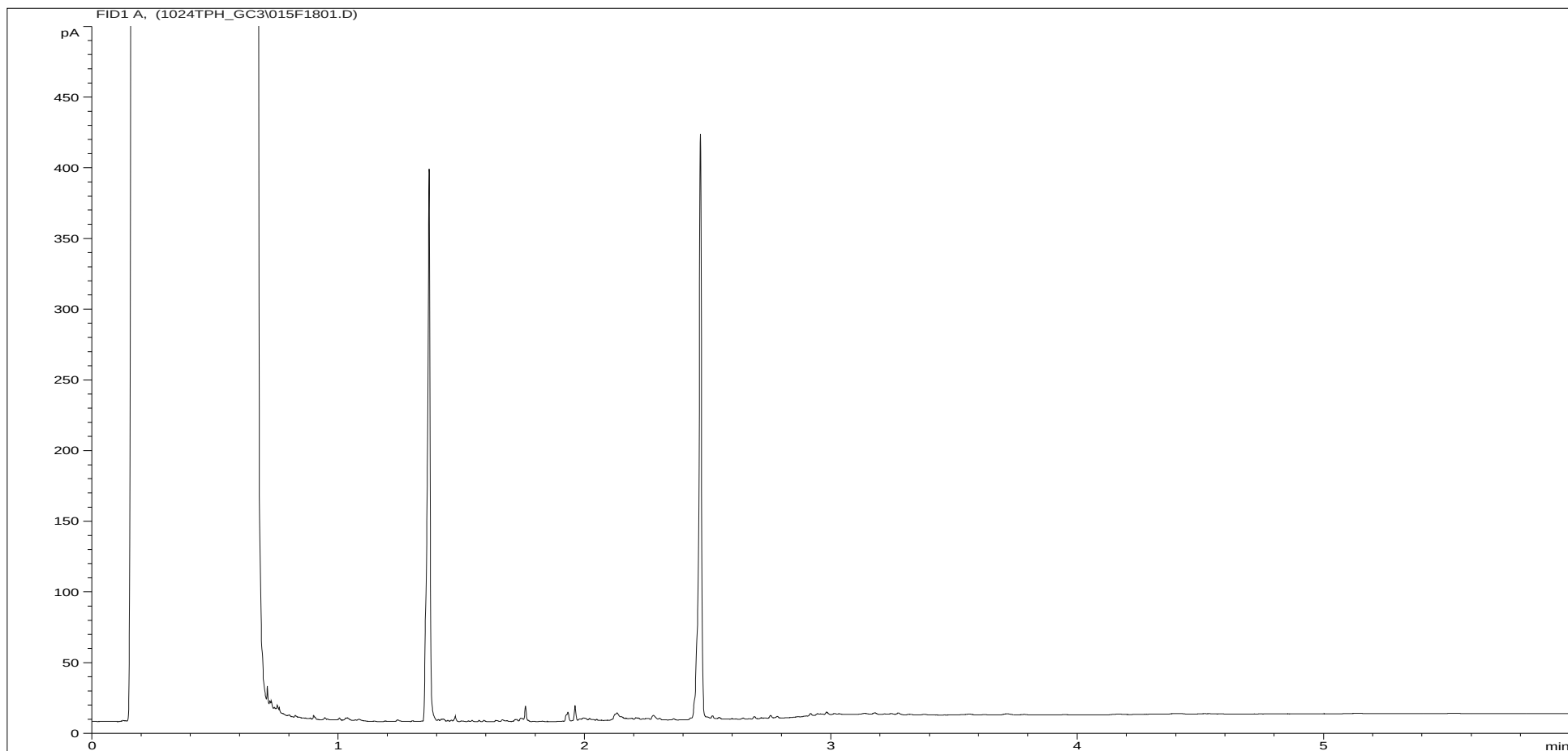
Sample ID:	CL1030891ALI	Job Number:	S10_7035M
Multiplier:	17.64	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH303 ES 28 7.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\014F1701.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



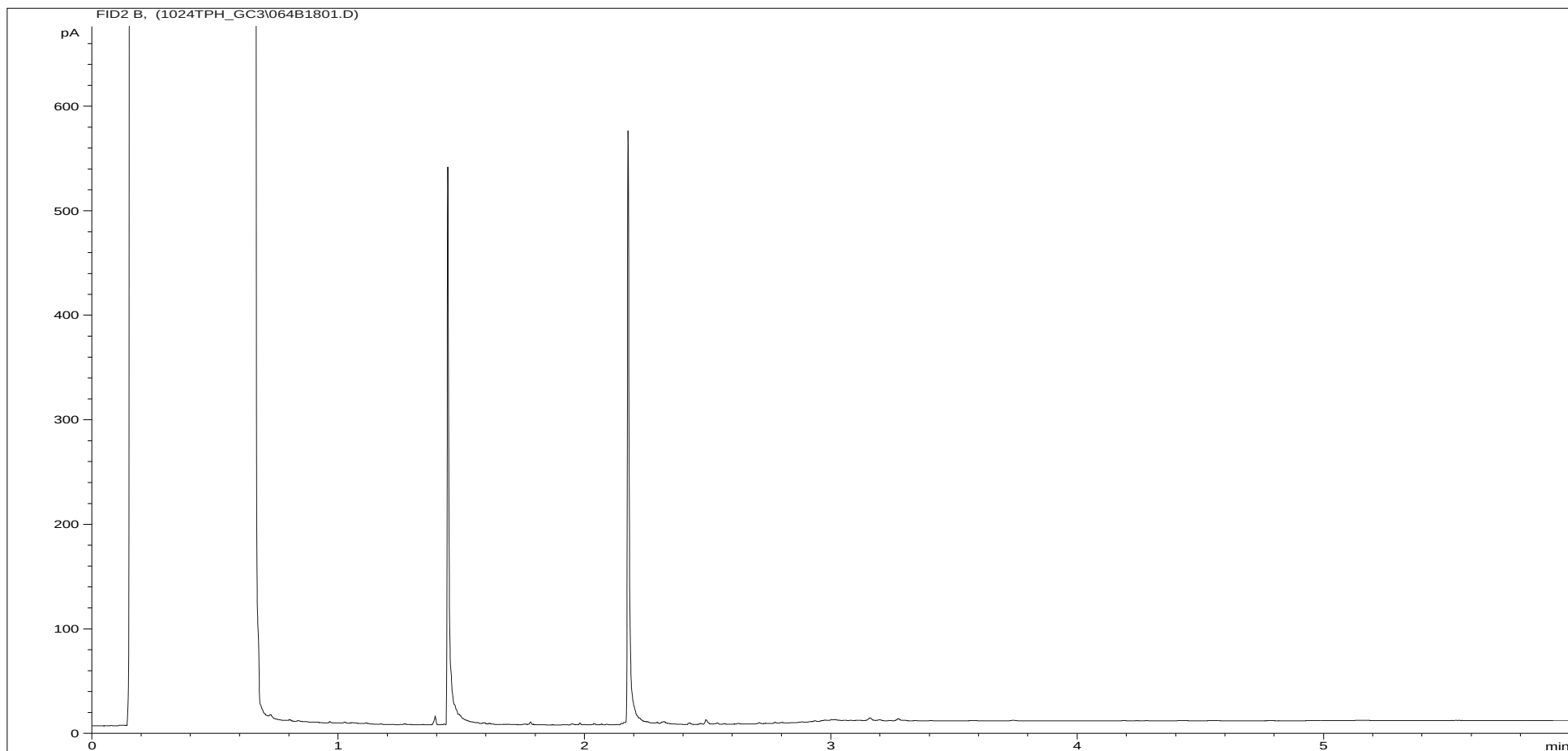
Sample ID:	CL1030891ARO	Job Number:	S10_7035M
Multiplier:	12.18	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	BH303 ES 28 7.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\063B1701.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



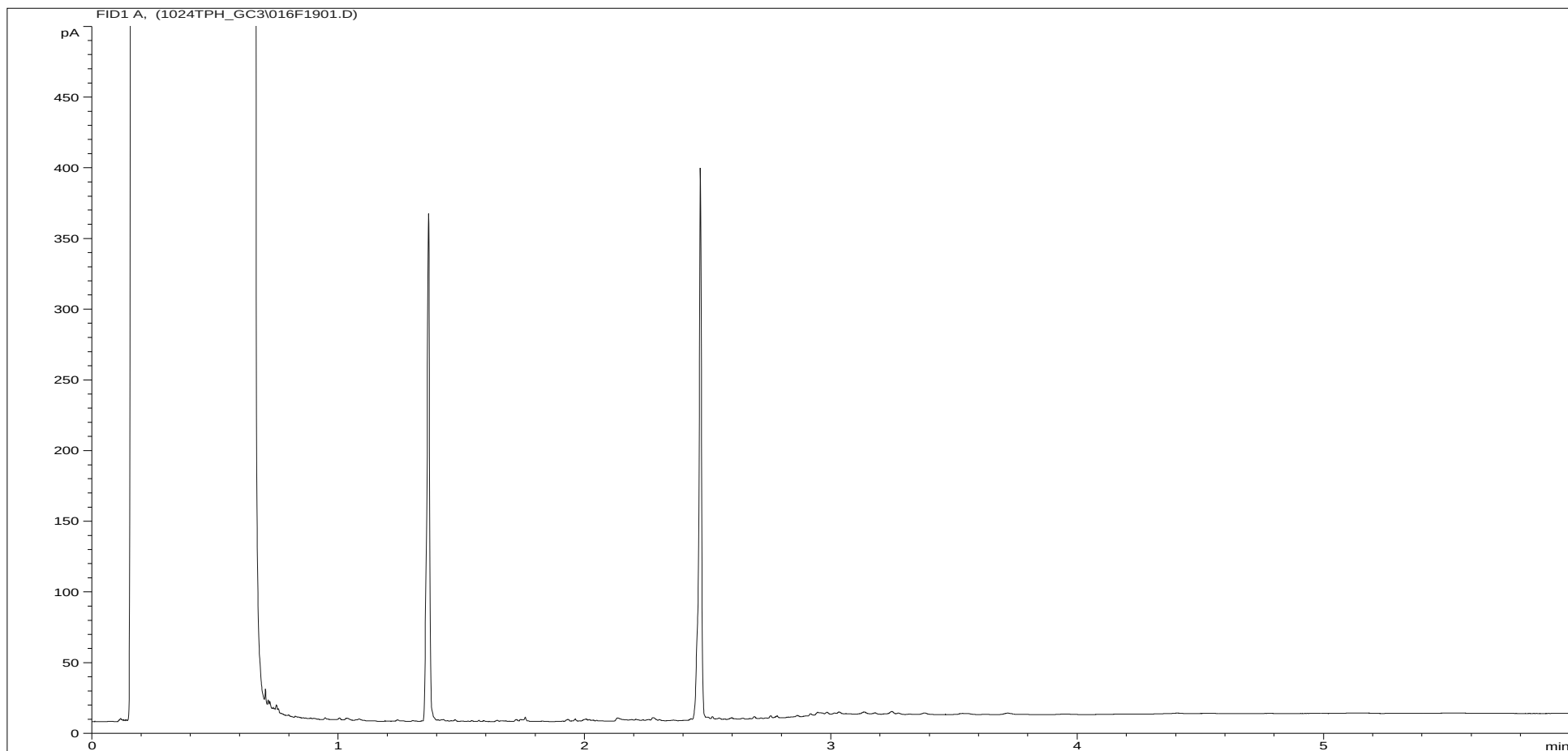
Sample ID:	CL1030892ALI	Job Number:	S10_7035M
Multiplier:	17.64	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS102 ES 3 1.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\015F1801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



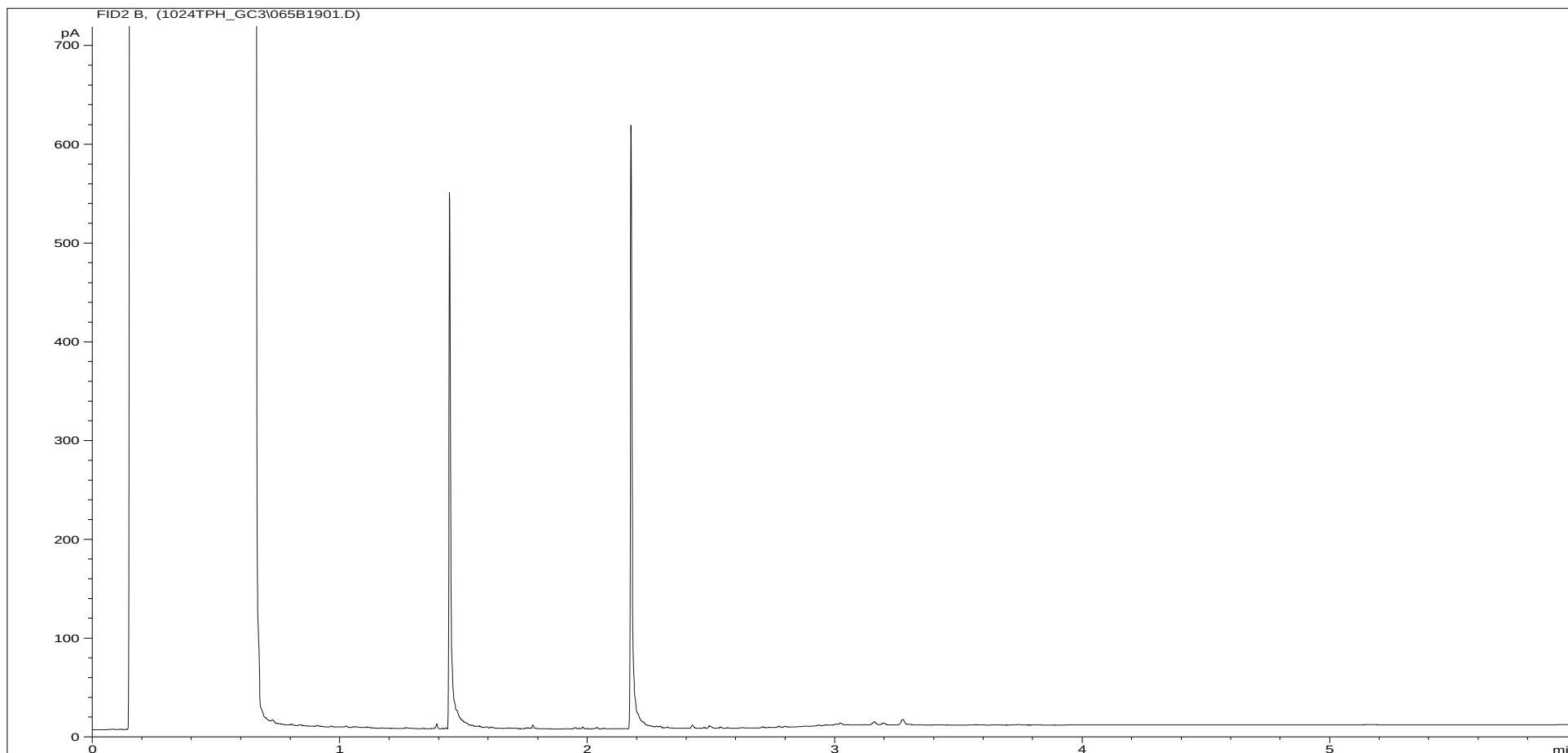
Sample ID:	CL1030892ARO	Job Number:	S10_7035M
Multiplier:	13.34	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS102 ES 3 1.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\064B1801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1030893ALI	Job Number:	S10_7035M
Multiplier:	15.96	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS102 ES 7 2.44
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\016F1901.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030893ARO

Multiplier: 12.18

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\065B1901.D

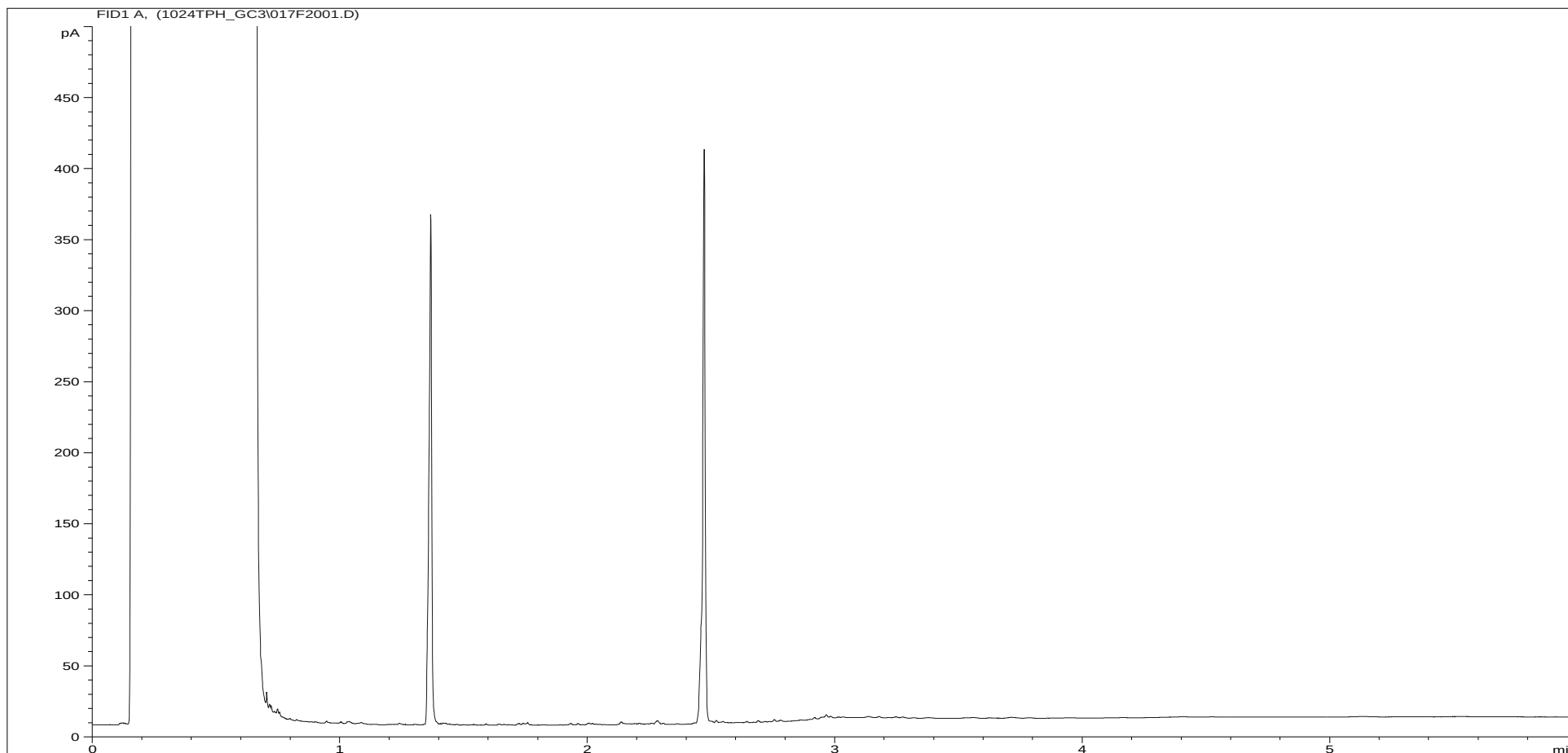
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: WS102 ES 7 2.44

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030894ALI

Multiplier: 17.64

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\017F2001.D

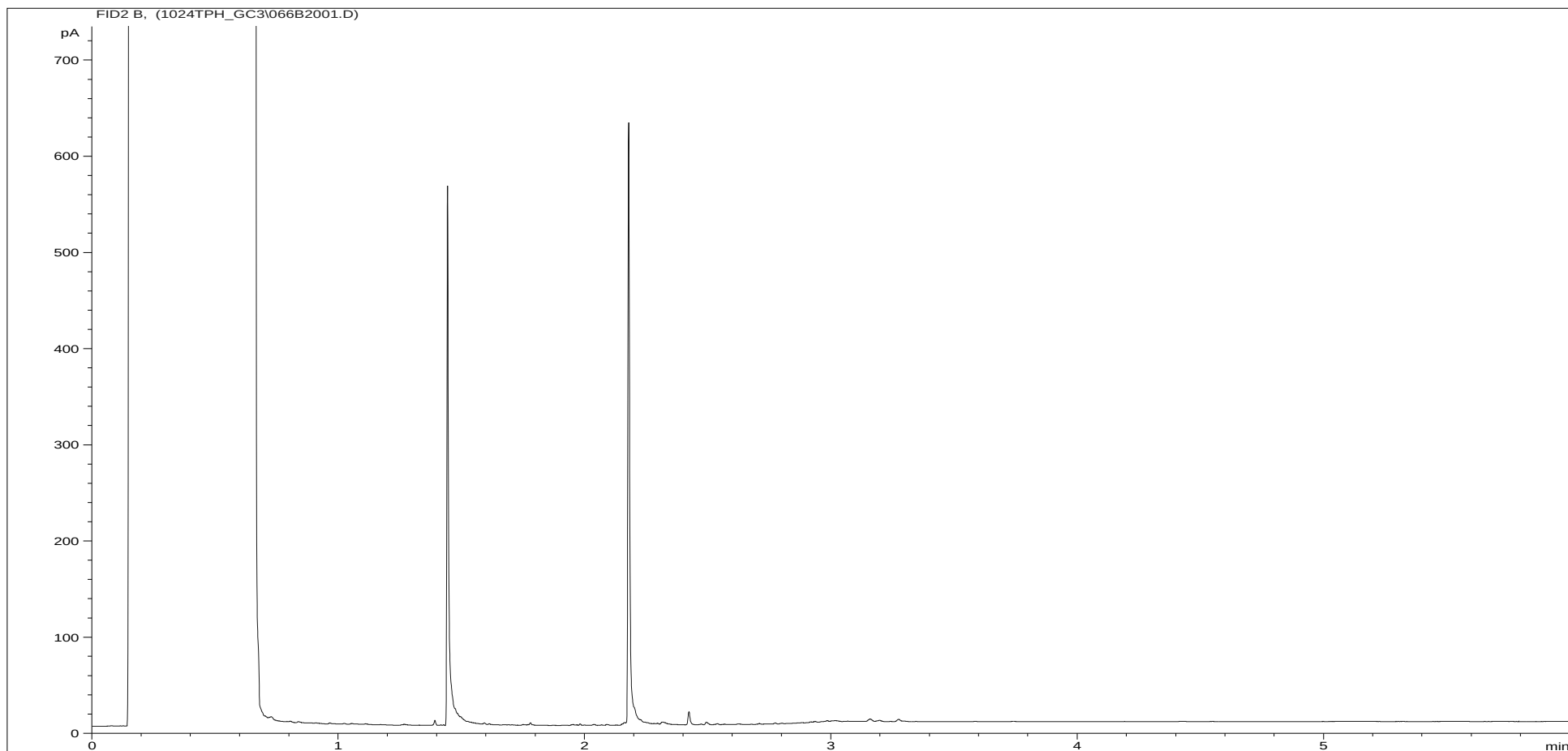
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

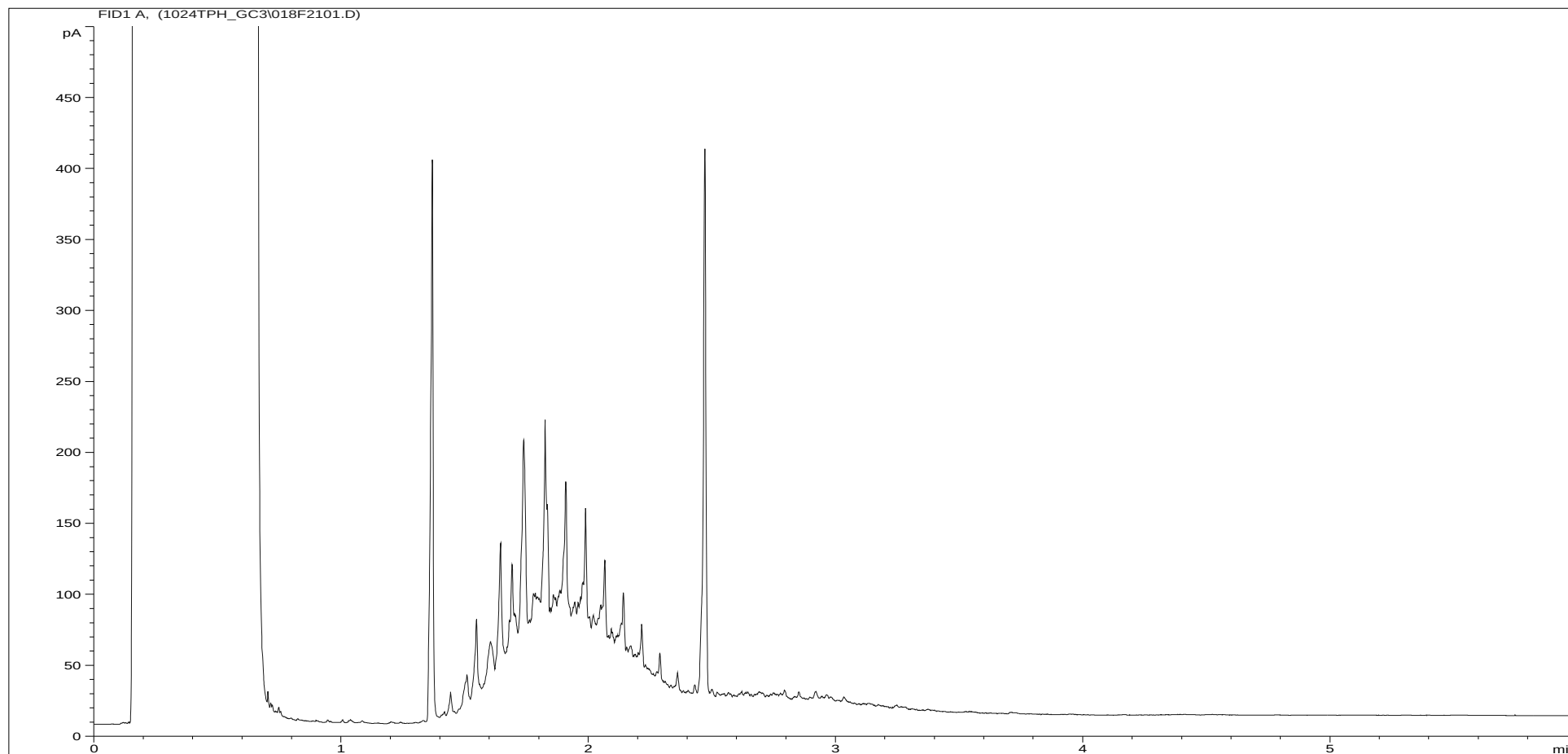
Client Sample Ref: WS102 ES 11 4.10

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030894ARO	Job Number:	S10_7035M
Multiplier:	12.18	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS102 ES 11 4.10
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\066B2001.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030895ALI

Multiplier: 17.64

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\018F2101.D

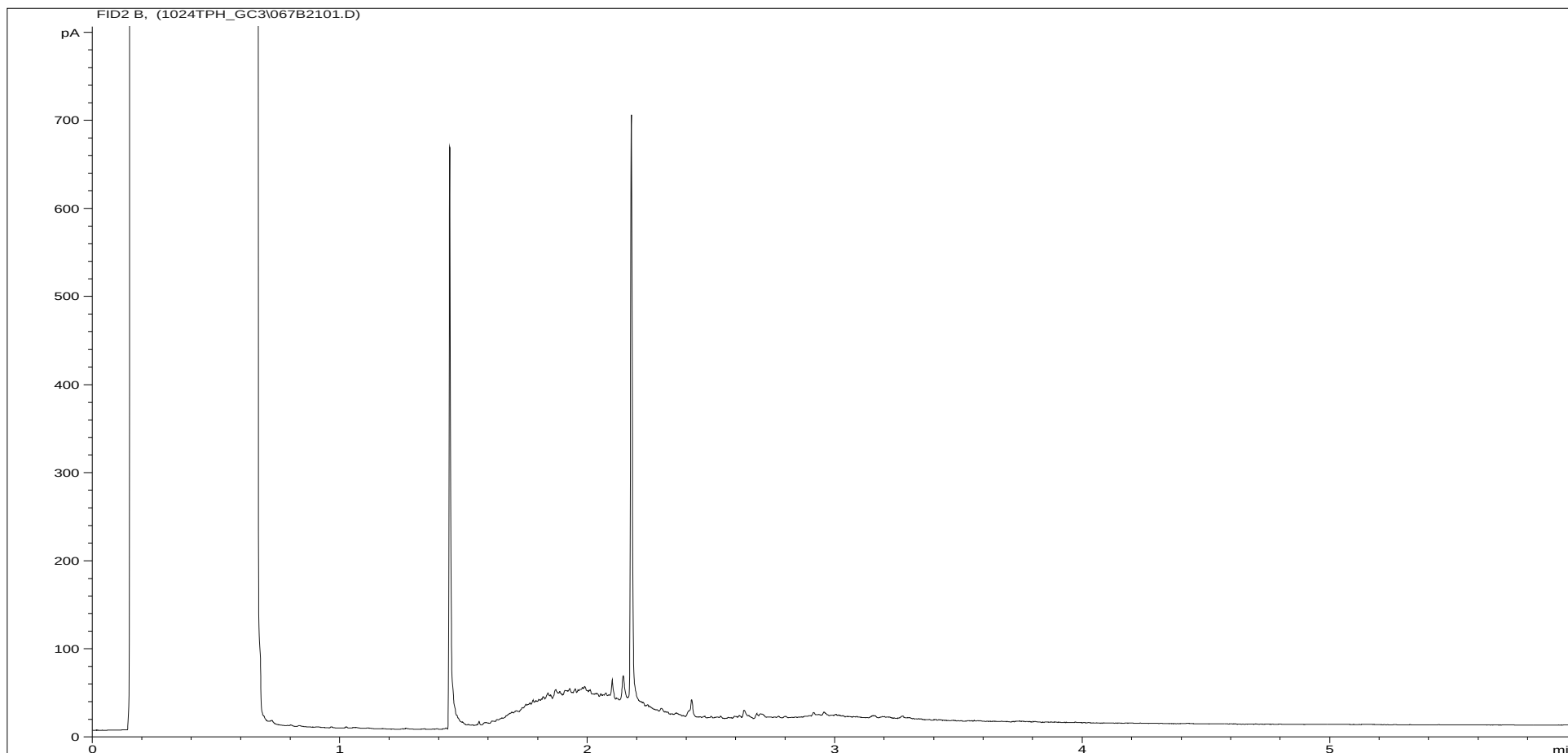
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

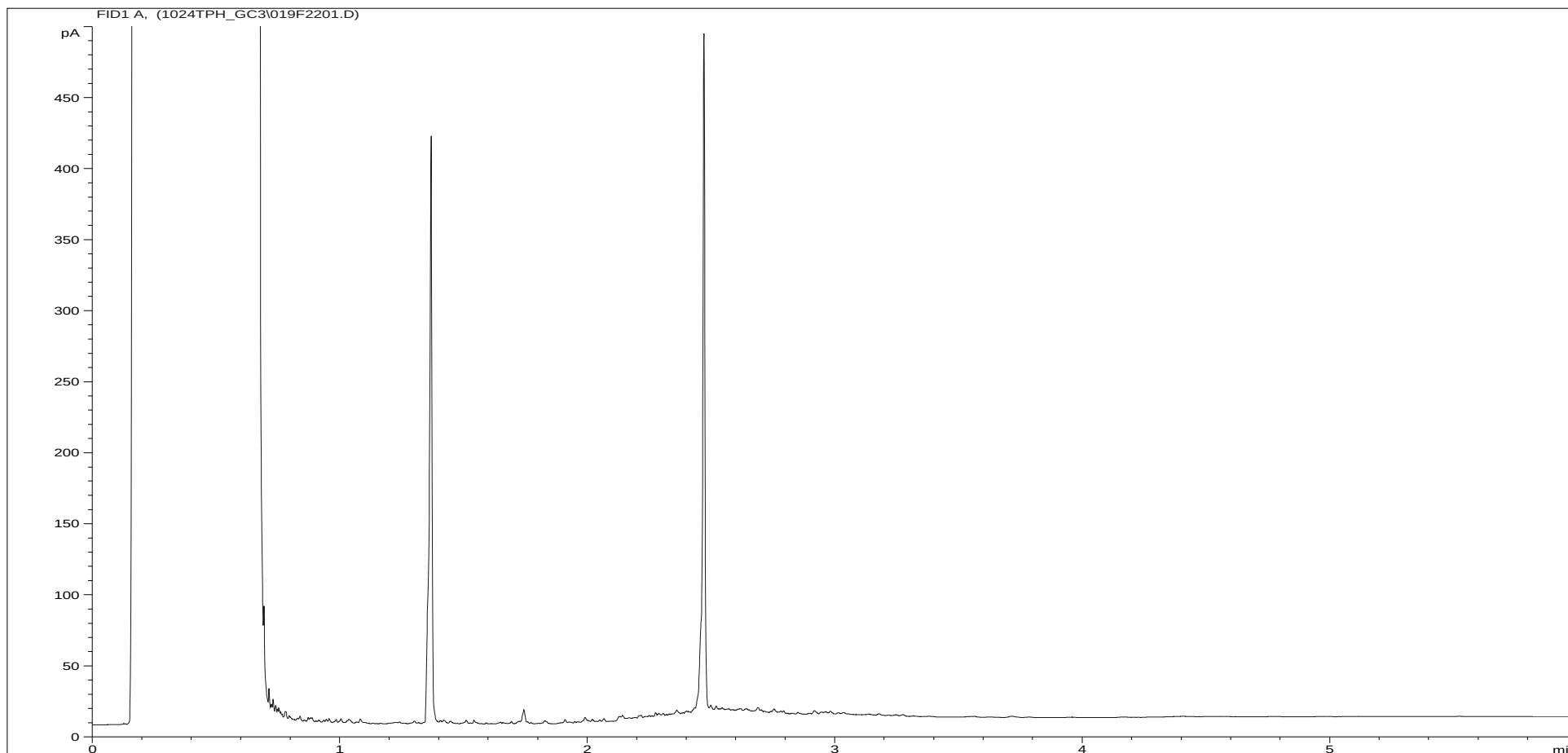
Client Sample Ref: WS301 ES 2 0.50

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030895ARO	Job Number:	S10_7035M
Multiplier:	12.18	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS301 ES 2 0.50
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\067B2101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030896ALI

Multiplier: 17.64

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\019F2201.D

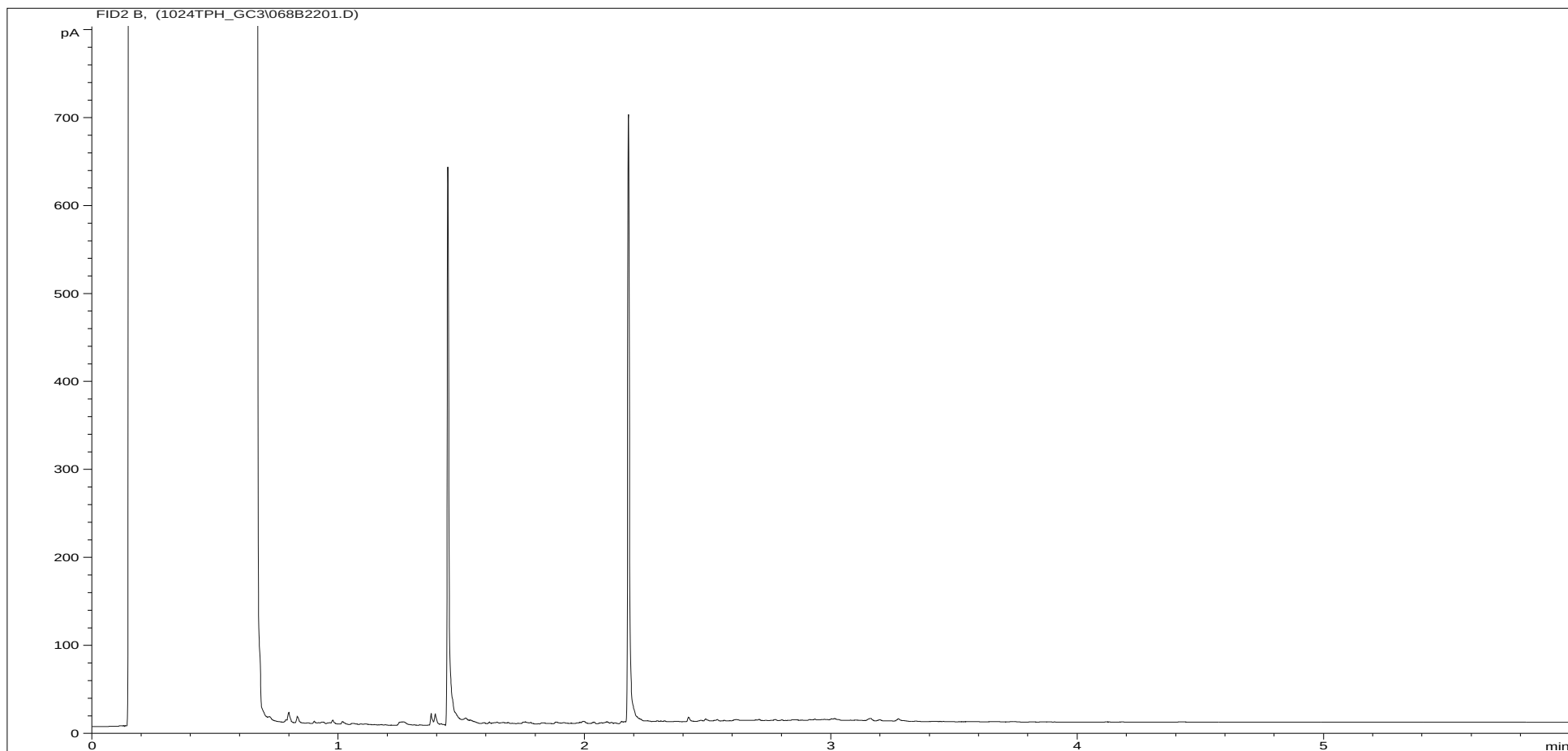
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

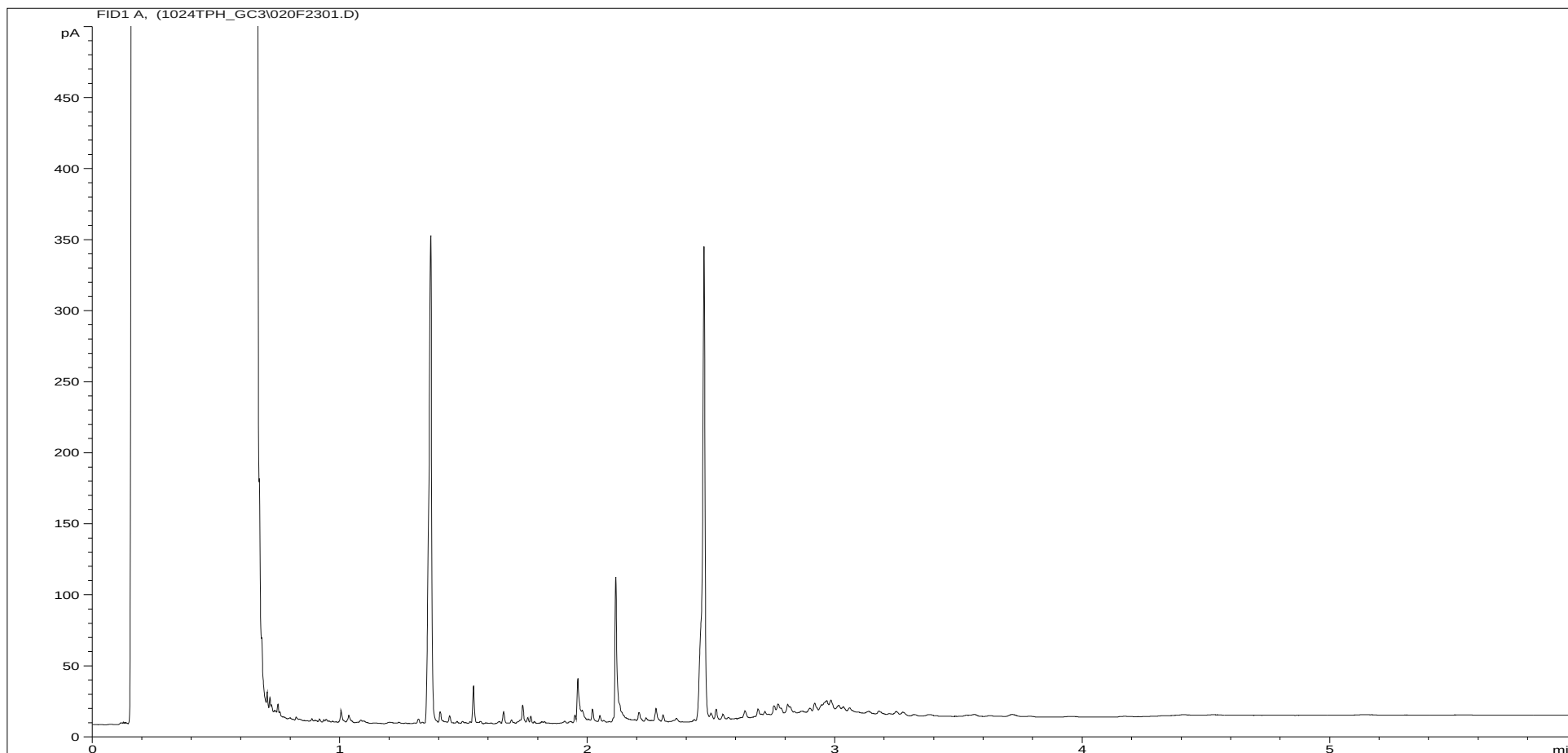
Client Sample Ref: WS301 ES 5 1.90

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030896ARO	Job Number:	S10_7035M
Multiplier:	11.76	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS301 ES 5 1.90
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\068B2201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030897ALI

Multiplier: 15.96

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\020F2301.D

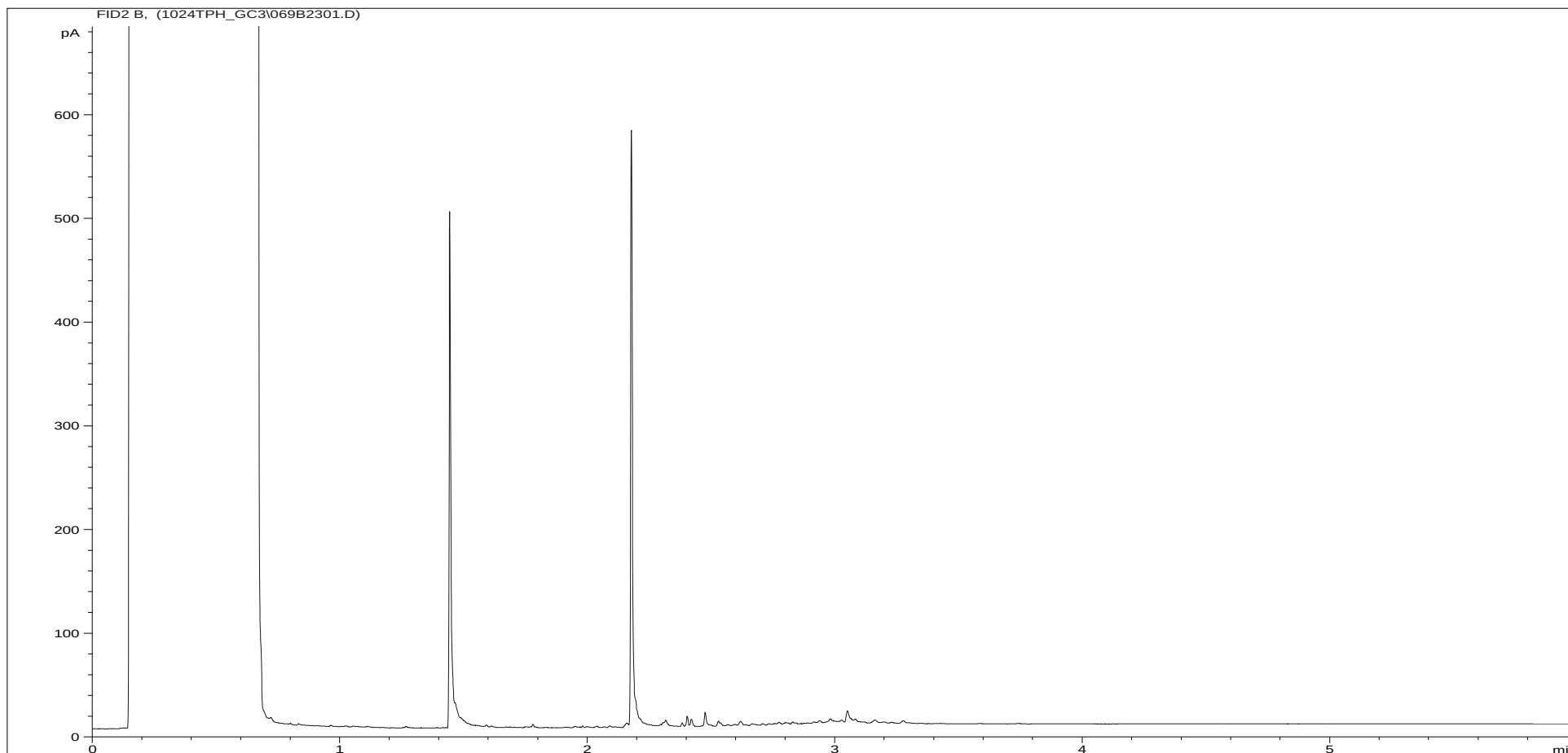
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: WS301 ES 9 4.20

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030897ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\069B2301.D

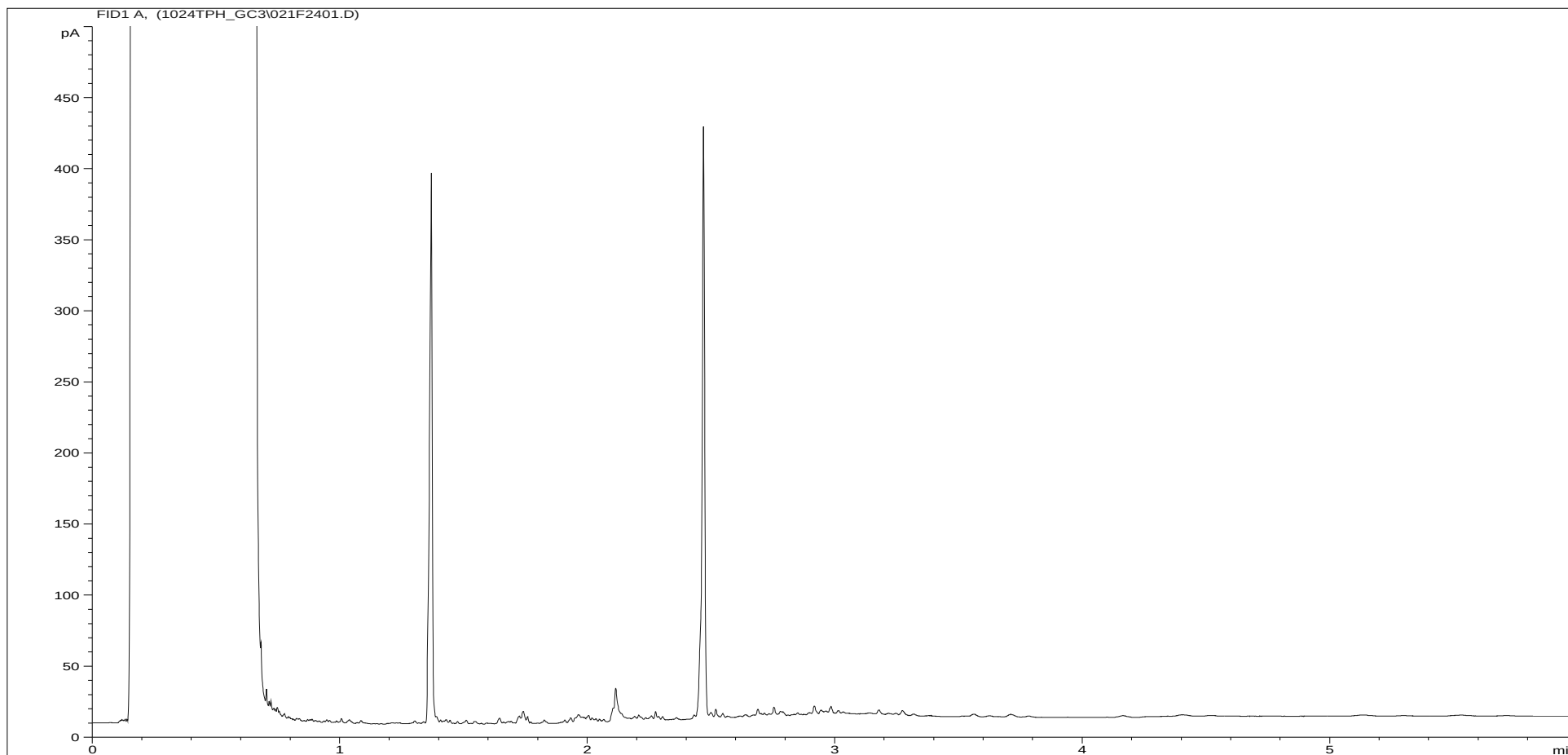
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: WS301 ES 9 4.20

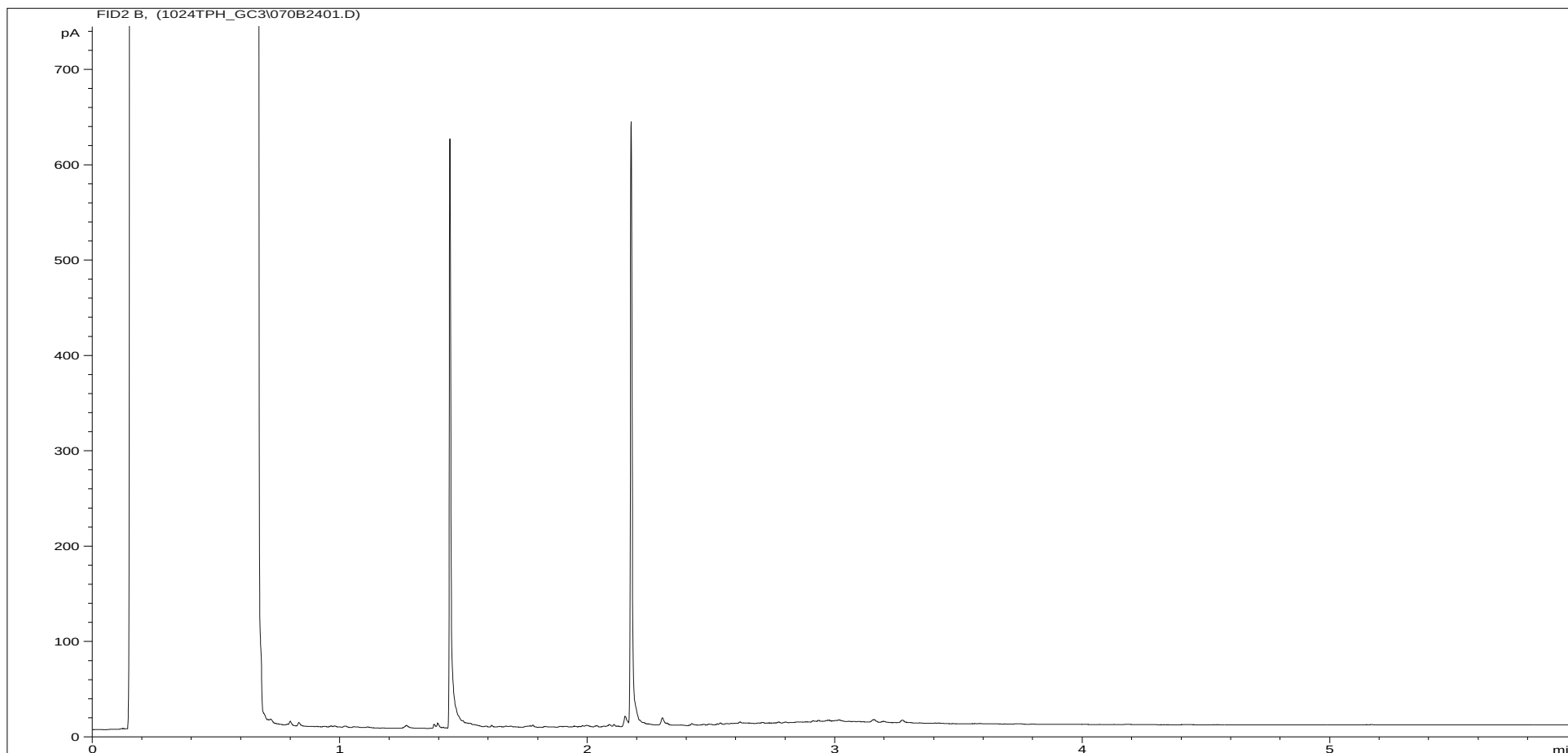
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030898ALI
Multiplier: 17.64
Dilution: 1
Acquisition Method: 5UL_RUNF.M
Acquisition Date/Time: 24-Oct-10
Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\021F2401.D

Job Number: S10_7035M
Client: Soil Mechanics
Site: Ferrybridge Multifuel PowerStn
Client Sample Ref: WS302 ES 3 1.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030898ARO

Multiplier: 11.76

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\070B2401.D

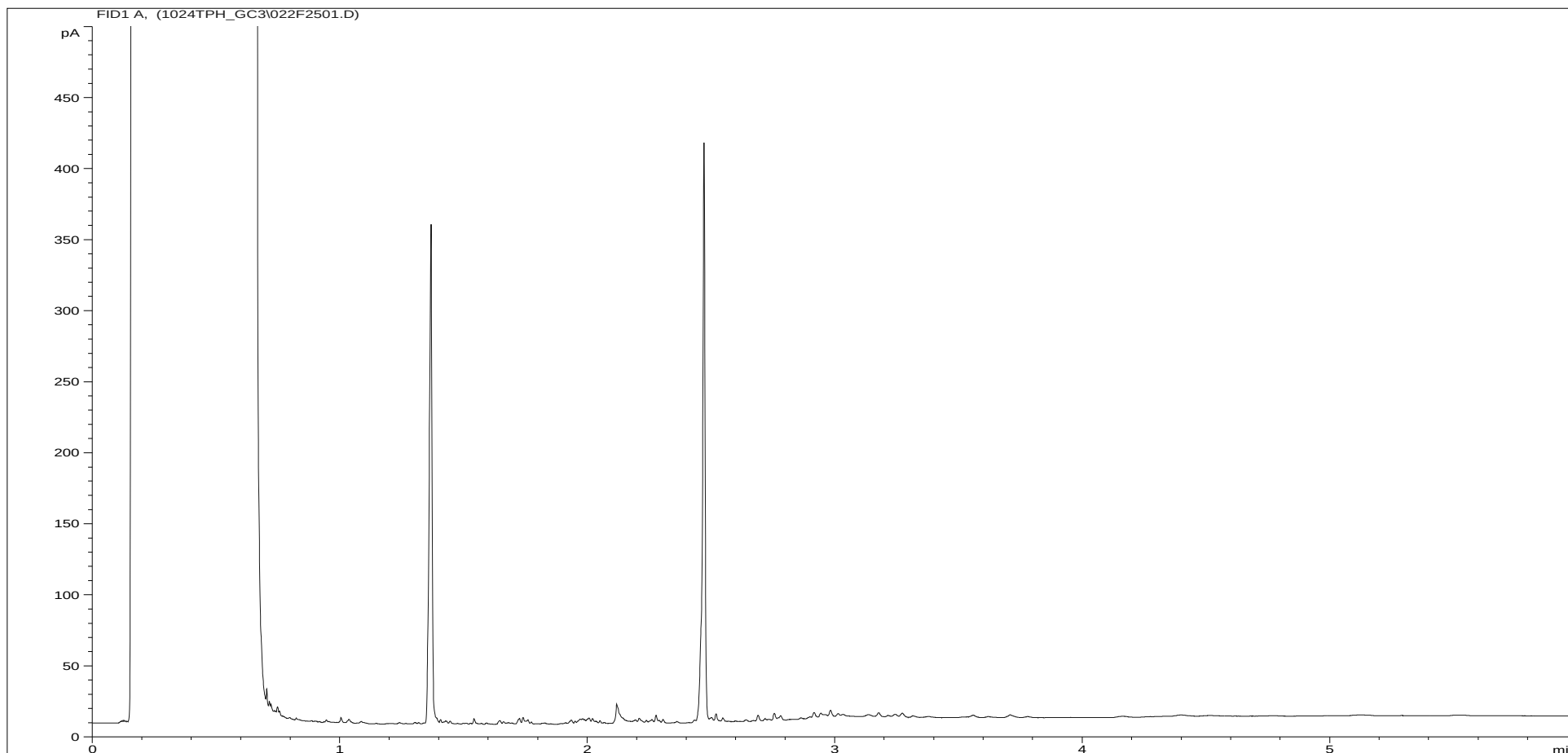
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

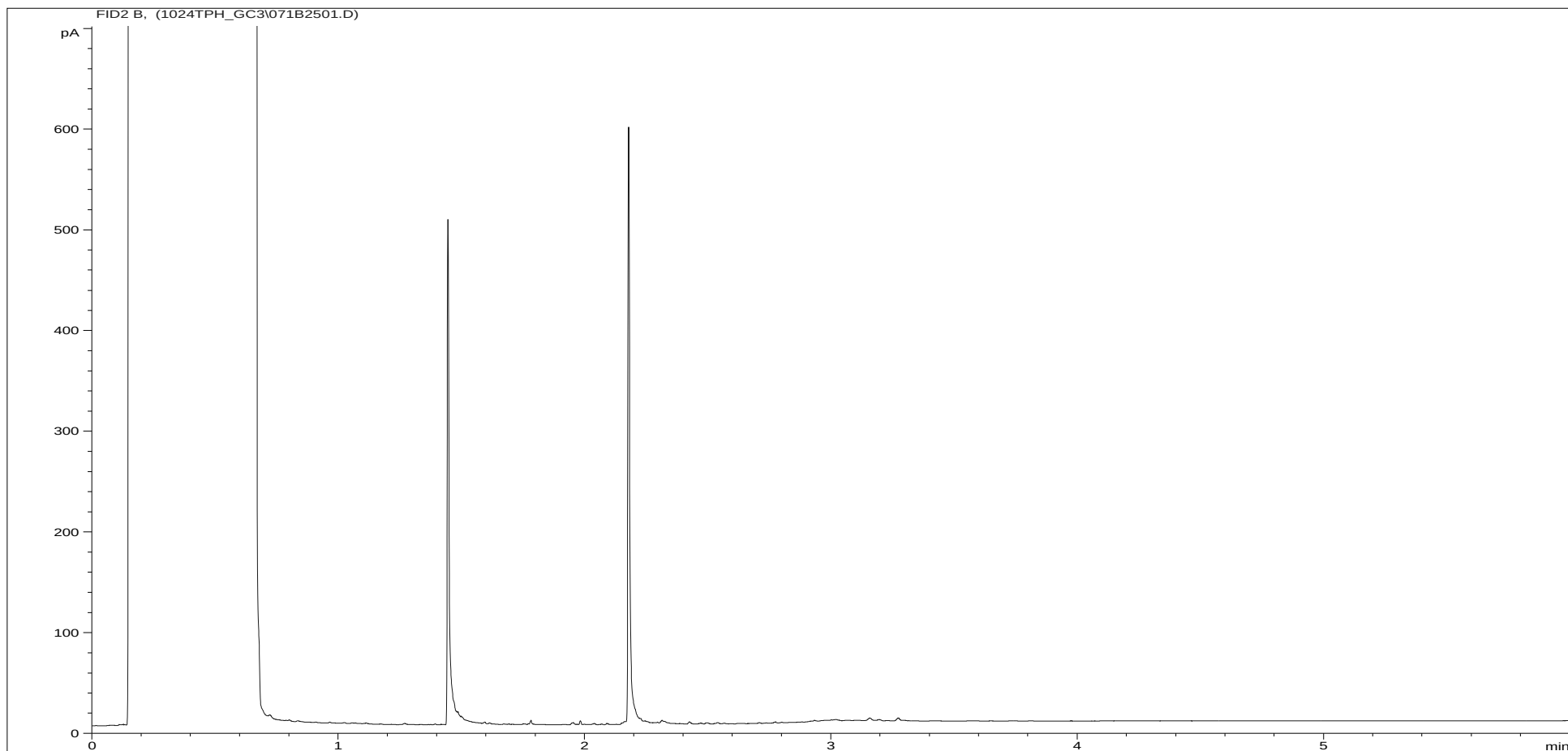
Client Sample Ref: WS302 ES 3 1.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



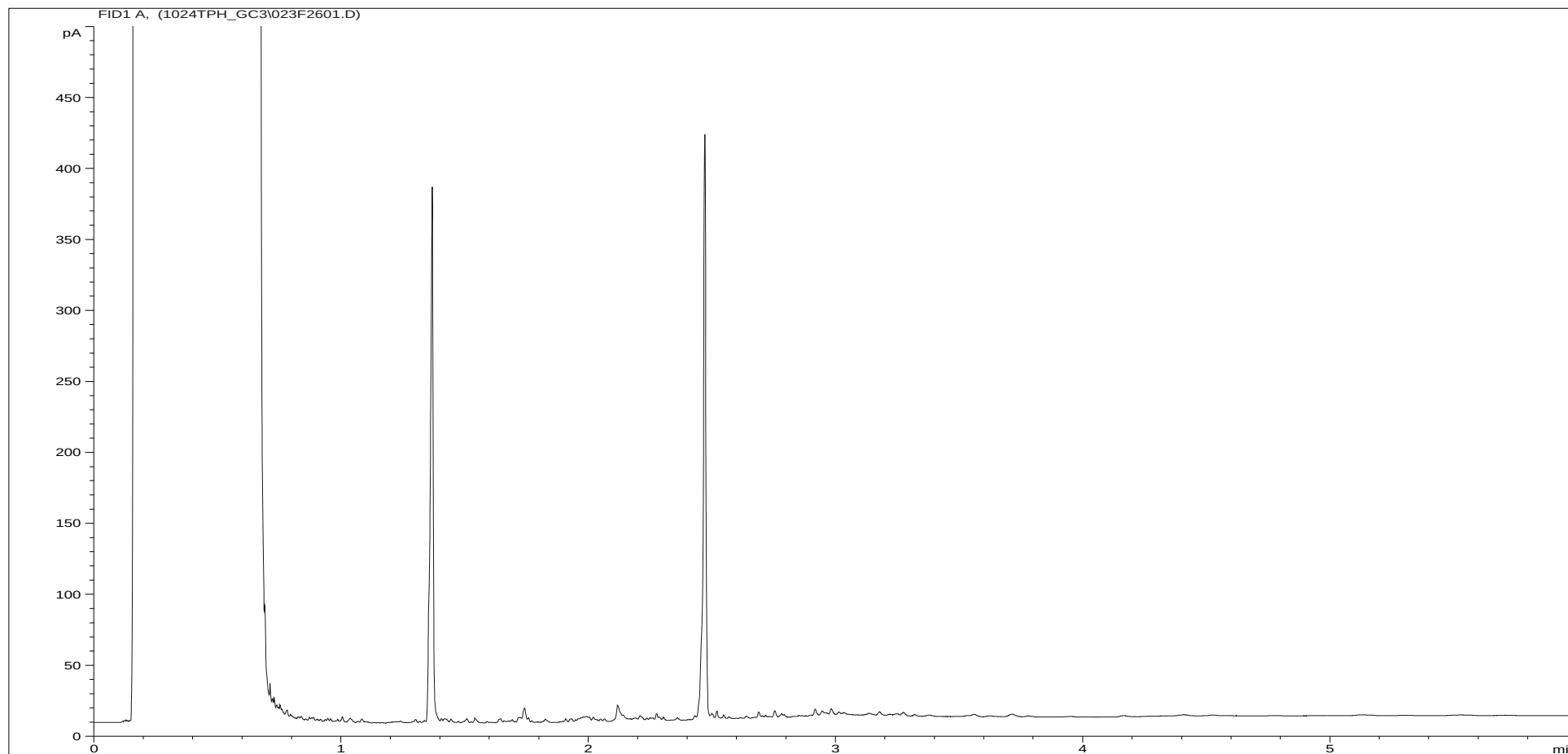
Sample ID:	CL1030899ALI	Job Number:	S10_7035M
Multiplier:	17.22	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS302 ES 9 4.40
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\022F2501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030899ARO	Job Number:	S10_7035M
Multiplier:	12.18	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS302 ES 9 4.40
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\071B2501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030900ALI

Multiplier: 17.22

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\023F2601.D

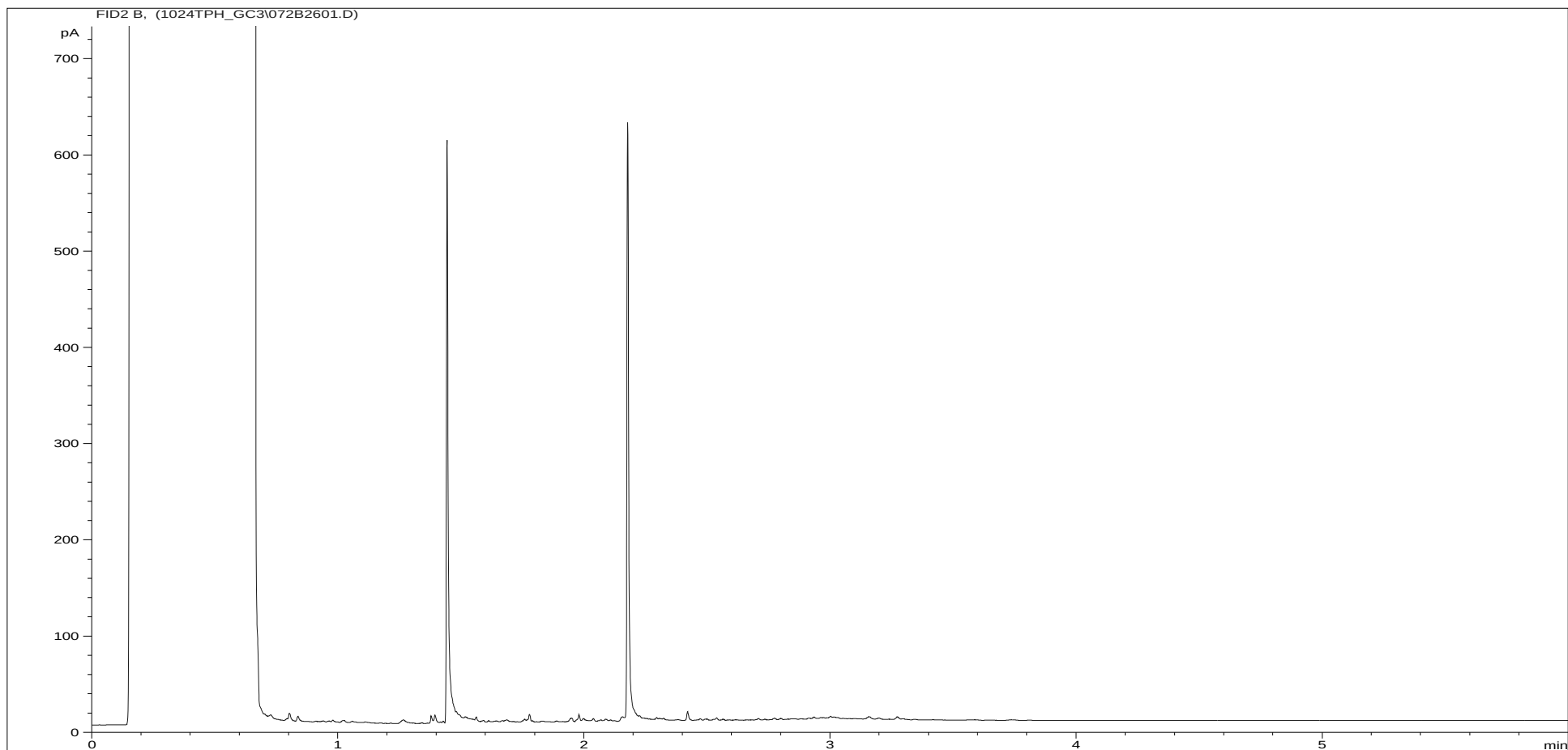
Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

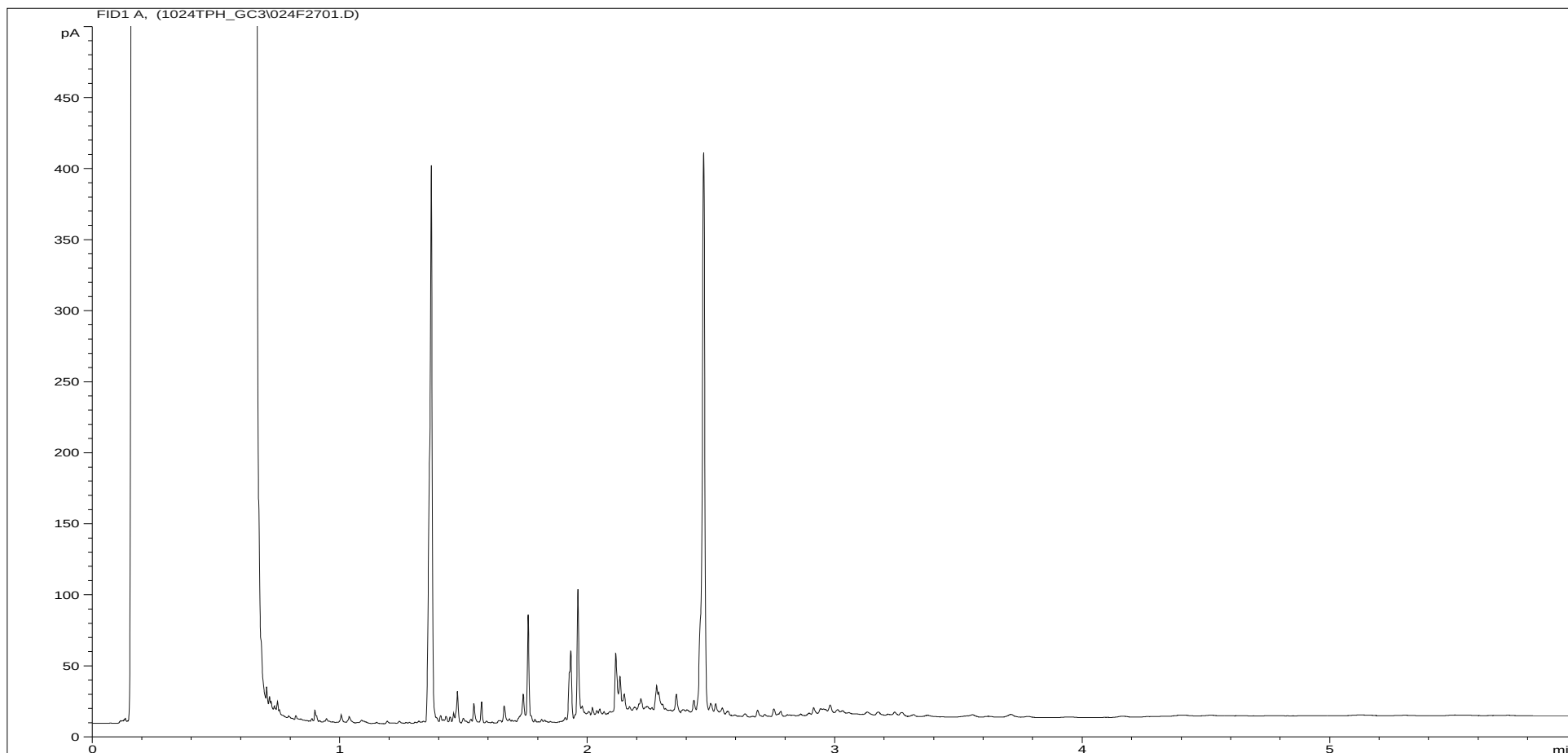
Client Sample Ref: WS303 ES 3 1.00

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1030900ARO	Job Number:	S10_7035M
Multiplier:	12.18	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	WS303 ES 3 1.00
Acquisition Date/Time:	24-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1024TPH_GC3\072B2601.D		

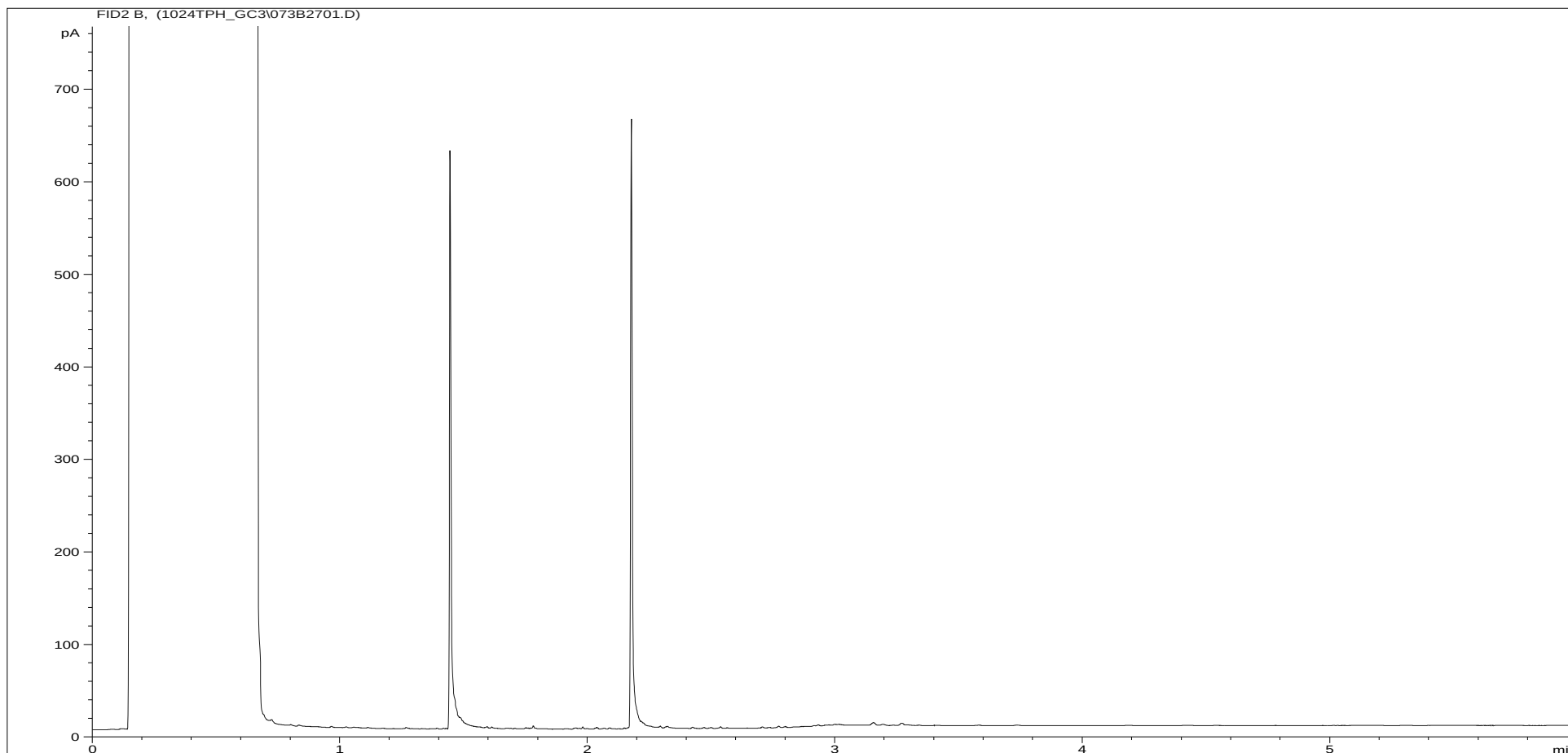
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1030901ALI
Multiplier: 18.86
Dilution: 1
Acquisition Method: 5UL_RUNF.M
Acquisition Date/Time: 24-Oct-10
Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\024F2701.D

Job Number: S10_7035M
Client: Soil Mechanics
Site: Ferrybridge Multifuel PowerStn
Client Sample Ref: WS303 ES 9 3.90

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1030901ARO

Multiplier: 12.88

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 24-Oct-10

Datafile: D:\TES\DATA\Y2010\1024TPH_GC3\073B2701.D

Job Number: S10_7035M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: WS303 ES 9 3.90

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	GROHSA	As Received	Determination of Total Gasoline Range Organics Hydrocarbons (GRO) by Headspace GCFID
Soil	ICPBOR	Air Dried	Determination of Boron in soil samples by hot water extraction followed by ICPOES detection
Soil	ICPMSS	Air Dried	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	PAHMSUS	As Received	Determination of Polycyclic Aromatic Hydrocarbons (PAH) by hexane/acetone extraction followed by GCMS detection
Soil	PCBUSECD	Air Dried	Determination of Polychlorinated Biphenyl (PCB) congeners/arocloris by hexane/acetone extraction followed by GCECD detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SSL	Air Dried	Acid Dichromate oxidation of the sample followed by colorimetric analysis of the extract
Soil	Subcon*	*	Contact Laboratory for details of the methodology used by the sub-contractor.
Soil	SVOCMSUS	As Received	Determination of Semi Volatile Organic Compounds in soil samples by hexane / acetone extraction followed by GCMS detection
Soil	TMSS	As Received	Determination of the Total Moisture content at 105°C by loss on oven drying gravimetric analysis
Soil	TPHUSSI	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection including quantitation of Aromatic and Aliphatic fractions.

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on an air dried basis
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile

CR Denotes Crocidolite

AM Denotes Amosite

NAIIS No Asbestos Identified in Sample

Symbol Reference

[^] Sub-contracted analysis. Note: The accreditation status is that assigned by the subcontract laboratory.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

Req Analysis requested, see attached sheets for results

▮ Raised detection limit due to nature of the sample

***** All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

END OF REPORT

Sample Descriptions

Client : Soil Mechanics
Site : Ferrybridge Multifuel PowerStn
Report Number : S10_7035M

Note: major constituent in upper case

[illegible]

TEST REPORT

SOIL SAMPLE ANALYSIS



Report No. EFS/107295M (Ver. 1)

Soil Mechanics
Askern Road
Carcroft
Doncaster
DN6 8DG

Site: Ferrybridge Multifuel PowerStn

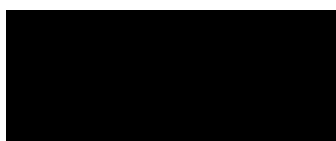
The 20 samples described in this report were logged for analysis by Scientifics on 25-Oct-2010.
The analysis was completed by: 03-Nov-2010

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS or MCERTS accredited
Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by Scientifics.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of PAH (MS-SIM) (80) Results (Pages 4 to 20)
Table of PCB Congener Results (Page 21)
Table of GRO Results (Page 22)
Table of TPH (Si) banding (std) (Page 23)
GC-FID Chromatograms (Pages 24 to 57)
Table of WAC Analysis Results (Pages 58 to 60)
Table of Asbestos Screening Results (Page 61)
Table of Method Descriptions (Page 62)
Table of Report Notes (Page 63)
Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of
Scientifics :
Andrew Timms



Operations Manager

Date of Issue: 03-Nov-2010

Accreditation Codes: **N** (Not Accredited), **U** (UKAS), **UM** (UKAS & MCERTS)

Tests marked '*' have been subcontracted to another laboratory.

(NVM) - denotes the sample matrix is dissimilar to matrices upon which the MCERTS validation was based,
and is therefore not accredited for MCERTS.

All results are reported on a dry weight basis at 105°C unless otherwise stated. (except QC samples)
Scientifics accepts no responsibility for any sampling not carried out by our personnel.

Units : Method Codes : Method Reporting Limits : Accreditation Code:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH Units	mg/kg	mg/kg			
		ICPBOR	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	PAHMSUS	PHSOIL	SFAPI	SFAPI	Sub02a	
		0.5	0.3	0.2	1.2	1.6	0.7	0.5	2	0.5	0.6	16	0.08		UM	0.5	0.5		
		UM	UM	UM	UM	UM	UM	UM	UM	UM	U	UM		UM	UM	U	U		
Laboratory ID Number CL/	Client Sample Description	Boron (H2O Soluble)	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Vanadium (MS)	Zinc (MS)	PAH by MS,16(0.08)	pH units (AR)	Cyanide(Free) (AR)	Phenol Index (AR)	Asbestos Screen		
		1032097	TP101 ES 3 0.30	0.8	15.7	0.45	20.5	31	61.7	<0.53	25.4	<0.5		91.4	Req	8.5	<0.6	<0.6	NAIIS
		1032098	TP101 ES 6 0.40	0.6	12.7	0.23	23	25.6	33.1	<0.5	26.7	<0.5		61.8	Req	8.7	<0.6		
		1032099	TP102 ES 3 0.20	<0.5	5.6	<0.20	18.1	15.9	13	<0.5	15.4	<0.5		39.8	Req	9.0	<0.6		NAIIS
		1032100	TP102 ES 6 0.40	0.8	10.7	0.37	25.2	23.1	51.9	<0.5	31.7	0.8		92.6	Req	8.6	<0.6		
		1032101	TP103 ES 1 0.10	<0.5	11.7	0.6	18.6	23	49.1	<0.51	18.6	<0.5	20.6	91.4	Req	8.5	<0.6	<0.6	AM
		1032102	TP103 ES 7 0.80	<0.5	6.6	0.43	16.8	14.4	25.3	<0.5	23.4	<0.5		105.4	Req	8.3	<0.6		NAIIS
		1032103	TP103 ES 10 1.70																
		1032104	TP103 ES 13 1.80	<0.5	1.2	<0.21	8.8	6	4.9	<0.5	10.8	<0.5		48.3	Req	9.1	<0.6		
		1032105	TP104 ES 2 0.20	<0.5	9.4	0.5	15.8	17	15.5	<0.5	19.4	<0.5		42.1	Req	8.9	<0.6		NAIIS
		1032106	TP104 ES 6 1.60	<0.5	15.4	0.54	19.1	24.1	43.2	<0.51	18.3	0.6	20.1	75.8	Req	7.8	<0.6		
		1032107	TP104 ES 11 2.70	<0.5	8.8	0.77	24.2	25.6	31.4	<0.5	33	0.5	28.7	103.8	Req	8.1	<0.6		
		1032108	TP105 ES 2 0.30	<0.5	17.3	0.49	23	33.4	62	<0.52	23.3	0.6		93	Req	7.8	<0.6		NAIIS
		1032109	TP105 ES 5 0.70	<0.5	6.9	0.45	15.2	16.1	20.4	<0.5	21.1	0.6		59.4	Req	8.2	<0.5		
		1032110	TP106 ES 2 0.30	<0.5	13.2	<0.2	22.7	28.8	24.4	<0.5	35.7	0.7	30.6	74.9	Req	8.2	<0.6	<0.6	NAIIS
		1032111	TP106 ES 5 1.10	<0.5	8.6	0.45	16.7	17.9	29.2	<0.5	20.6	0.6		73.5	Req	8.1	<0.6		
		1032112	TP106 ES 8 1.40																
		1032113	TP108 ES 2 0.30	<0.5	6.4	0.36	13.9	15.5	22.6	<0.5	19.5	<0.5		252.6	Req	8.2	<0.6		
		1032114	TP111 ES 2 0.30	2	13.8	0.39	19.6	35.8	34	<0.50	26	<0.5		148.6	Req	7.9	<0.6	<0.6	NAIIS
1032115	TP111 ES 4 0.50																		
1032116	TP111 ES 11 1.00	<0.5	5.2	0.38	14.7	15.7	19.3	<0.5	23.7	<0.5		75.7	Req	8.4	<0.6				
scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Soil Mechanics							Soils Sample Analysis								
		Contact		Mr J Huntington															
		Ferrybridge Multifuel PowerStn										Date Printed		03-Nov-10					
												Report Number		EFS/107295M					
												Table Number		1					

Units : Method Codes : Method Reporting Limits : Accreditation Code:		%	mg/kg	mg/kg	ug/kg	%											
		TMSS	TPHUSSI	GROHSA	PCBUSECD	SSL											
		0.2	10.0	0.1	5	0.1											
		U				N											
Laboratory ID Number CL/	Client Sample Description	Tot Moisture @ 105C	TPH by GC/FID (AR/SI)	GRO (AA)	PCB (7 Congeners)	Organic Matter %											
		1032097	TP101 ES 3 0.30	15.5	Req	Req	Req	2.4									
		1032098	TP101 ES 6 0.40	15.9	Req	Req											
		1032099	TP102 ES 3 0.20	10.5	Req	Req											
		1032100	TP102 ES 6 0.40	14.9	Req	Req											
		1032101	TP103 ES 1 0.10	14.5	Req	Req		3.32									
		1032102	TP103 ES 7 0.80	11.0	Req	Req	Req										
		1032103	TP103 ES 10 1.70	7.3													
		1032104	TP103 ES 13 1.80	16.8	Req	Req		0.27									
		1032105	TP104 ES 2 0.20	16.3	Req	Req											
		1032106	TP104 ES 6 1.60	15.6	Req	Req											
		1032107	TP104 ES 11 2.70	14.6	Req	Req											
		1032108	TP105 ES 2 0.30	12.8	Req	Req	Req										
		1032109	TP105 ES 5 0.70	7.8	Req	Req											
		1032110	TP106 ES 2 0.30	10.2	Req	Req	Req	1.29									
		1032111	TP106 ES 5 1.10	10.9	Req	Req											
		1032112	TP106 ES 8 1.40	13.8													
		1032113	TP108 ES 2 0.30	11.3	Req	Req											
		1032114	TP111 ES 2 0.30	11.9	Req	Req		2.83									
1032115	TP111 ES 4 0.50	15.2															
1032116	TP111 ES 11 1.00	11.3	Req	Req													
scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Soil Mechanics						Soils Sample Analysis							
		Contact		Mr J Huntington						Date Printed		03-Nov-10					
		Ferrybridge Multifuel PowerStn						Report Number		EFS/107295M							
								Table Number		1							

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP101 ES 3 0.30	Job Number:	S10_7295M
LIMS ID Number:	CL1032097	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	6.05	0.26	99	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.47	0.30	98	UM
Pyrene	129-00-0	7.77	0.25	96	UM
Benzo[a]anthracene	56-55-3	9.50	0.18	95	UM
Chrysene	218-01-9	9.55	0.15	98	UM
Benzo[b]fluoranthene	205-99-2	11.05	0.21	97	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	11.49	0.15	99	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.13	81	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.14	98	UM
Total (USEPA16) PAHs	-	-	< 2.44	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	109
Acenaphthene-d10	104
Phenanthrene-d10	105
Chrysene-d12	98
Perylene-d12	93

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	92
Terphenyl-d14	94

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP101 ES 6 0.40	Job Number:	S10_7295M
LIMS ID Number:	CL1032098	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.52	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	105
Acenaphthene-d10	100
Phenanthrene-d10	100
Chrysene-d12	91
Perylene-d12	85

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	94

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP102 ES 3 0.20	Job Number:	S10_7295M
LIMS ID Number:	CL1032099	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.43	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	110
Acenaphthene-d10	105
Phenanthrene-d10	104
Chrysene-d12	96
Perylene-d12	88

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	96

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP102 ES 6 0.40	Job Number:	S10_7295M
LIMS ID Number:	CL1032100	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.50	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	104
Acenaphthene-d10	99
Phenanthrene-d10	97
Chrysene-d12	84
Perylene-d12	77

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	92

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP103 ES 1 0.10	Job Number:	S10_7295M
LIMS ID Number:	CL1032101	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.18	97	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	6.05	0.26	99	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.47	0.34	98	UM
Pyrene	129-00-0	7.77	0.28	97	UM
Benzo[a]anthracene	56-55-3	9.50	0.20	96	UM
Chrysene	218-01-9	9.55	0.20	92	UM
Benzo[b]fluoranthene	205-99-2	11.05	0.25	96	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	11.49	0.18	98	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.15	98	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.16	99	UM
Total (USEPA16) PAHs	-	-	< 2.75	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	102
Acenaphthene-d10	97
Phenanthrene-d10	94
Chrysene-d12	85
Perylene-d12	83

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	91
Terphenyl-d14	91

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP103 ES 7 0.80	Job Number:	S10_7295M
LIMS ID Number:	CL1032102	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.44	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	104
Acenaphthene-d10	99
Phenanthrene-d10	96
Chrysene-d12	87
Perylene-d12	81

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	94

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP103 ES 10 1.70	Job Number:	S10_7295M
LIMS ID Number:	CL1032103	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.14	98	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	6.05	0.17	99	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.47	0.27	98	UM
Pyrene	129-00-0	7.77	0.23	96	UM
Benzo[a]anthracene	56-55-3	9.50	0.16	94	UM
Chrysene	218-01-9	9.55	0.15	97	UM
Benzo[b]fluoranthene	205-99-2	11.05	0.23	98	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	11.49	0.15	96	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.91	0.14	94	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.14	98	UM
Total (USEPA16) PAHs	-	-	< 2.30	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	104
Acenaphthene-d10	98
Phenanthrene-d10	97
Chrysene-d12	92
Perylene-d12	89

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	92
Terphenyl-d14	93

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP104 ES 2 0.20	Job Number:	S10_7295M
LIMS ID Number:	CL1032105	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.10	99	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.53	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	109
Acenaphthene-d10	104
Phenanthrene-d10	104
Chrysene-d12	96
Perylene-d12	90

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	94
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP104 ES 6 1.60	Job Number:	S10_7295M
LIMS ID Number:	CL1032106	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	6.05	0.14	98	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.47	0.19	97	UM
Pyrene	129-00-0	7.77	0.15	97	UM
Benzo[a]anthracene	56-55-3	9.50	0.11	96	UM
Chrysene	218-01-9	9.55	0.11	98	UM
Benzo[b]fluoranthene	205-99-2	11.05	0.14	94	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.79	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	114
Acenaphthene-d10	108
Phenanthrene-d10	110
Chrysene-d12	106
Perylene-d12	102

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	92
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP104 ES 11 2.70	Job Number:	S10_7295M
LIMS ID Number:	CL1032107	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.50	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	106
Acenaphthene-d10	101
Phenanthrene-d10	101
Chrysene-d12	95
Perylene-d12	88

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	96

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP105 ES 2 0.30	Job Number:	S10_7295M
LIMS ID Number:	CL1032108	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	2.35	98	UM
Acenaphthylene	208-96-8	4.61	0.29	97	U
Acenaphthene	83-32-9	4.73	1.00	95	UM
Fluorene	86-73-7	5.14	1.22	99	UM
Phenanthrene	85-01-8	6.05	6.70	100	UM
Anthracene	120-12-7	6.11	1.44	98	U
Fluoranthene	206-44-0	7.47	4.83	99	UM
Pyrene	129-00-0	7.77	3.90	98	UM
Benzo[a]anthracene	56-55-3	9.50	1.90	99	UM
Chrysene	218-01-9	9.55	2.22	98	UM
Benzo[b]fluoranthene	205-99-2	11.05	1.88	98	UM
Benzo[k]fluoranthene	207-08-9	11.05	1.82	97	UM
Benzo[a]pyrene	50-32-8	11.49	1.42	98	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.73	94	UM
Dibenzo[a,h]anthracene	53-70-3	12.95	0.19	97	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.65	99	UM
Total (USEPA16) PAHs	-	-	32.75	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	108
Acenaphthene-d10	104
Phenanthrene-d10	106
Chrysene-d12	103
Perylene-d12	98

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	89
Terphenyl-d14	91

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP105 ES 5 0.70	Job Number:	S10_7295M
LIMS ID Number:	CL1032109	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	28-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.39	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	111
Acenaphthene-d10	105
Phenanthrene-d10	105
Chrysene-d12	98
Perylene-d12	91

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	90
Terphenyl-d14	92

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP106 ES 2 0.30	Job Number:	S10_7295M
LIMS ID Number:	CL1032110	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.43	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	108
Acenaphthene-d10	102
Phenanthrene-d10	102
Chrysene-d12	96
Perylene-d12	88

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	90
Terphenyl-d14	93

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP106 ES 5 1.10	Job Number:	S10_7295M
LIMS ID Number:	CL1032111	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.44	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	101
Acenaphthene-d10	94
Phenanthrene-d10	91
Chrysene-d12	80
Perylene-d12	74

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	92
Terphenyl-d14	90

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP108 ES 2 0.30	Job Number:	S10_7295M
LIMS ID Number:	CL1032113	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.44	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	105
Acenaphthene-d10	98
Phenanthrene-d10	97
Chrysene-d12	88
Perylene-d12	81

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	91
Terphenyl-d14	92

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP111 ES 2 0.30	Job Number:	S10_7295M
LIMS ID Number:	CL1032114	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.45	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	110
Acenaphthene-d10	104
Phenanthrene-d10	108
Chrysene-d12	106
Perylene-d12	100

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	91
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP111 ES 11 1.00	Job Number:	S10_7295M
LIMS ID Number:	CL1032116	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.44	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	103
Acenaphthene-d10	97
Phenanthrene-d10	96
Chrysene-d12	90
Perylene-d12	81

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polychlorinated Biphenyls (congeners)

Customer and Site Details:

Soil Mechanics: Ferrybridge Multifuel PowerStn

Job Number:

S10 7295M

OC Batch Number:

102281

Directory:

1101PCB.GC8

Method:

Ultrasonic

Accreditation code:

N

Matrix:

SOIL

Date Booked in:

25-Oct-10

Date Extracted:

28-Oct-10

Date Analysed:

02-Nov-10

[illegible]

Gasoline Range Organics (BTEX and Aliphatic Carbon Ranges)

Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7295
Directory: D:\TES\DATA\Y2010\1029HSA_GC12\102910 2010-10-29 07-54-33\129B2901.D
Method: Headspace GCFID
Accreditation Code: N

Matrix: Soil
Date Booked in: 25-Oct-10
Date extracted: 29-Oct-10
Date Analysed: 29-Oct-10, 16:50

Sample ID	Client ID	Concentration, (mg/kg) - as dry weight.					Aliphatics				
		Benzene	Toluene	Ethyl benzene	m/p-Xylene	o-Xylene	C5 - C6	>C6 - C7	>C7 - C8	>C8 - C10	Total GRO
* CL1032097	TP101 ES 3 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032098	TP101 ES 6 0.40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032099	TP102 ES 3 0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032100	TP102 ES 6 0.40	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032101	TP103 ES 1 0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032102	TP103 ES 7 0.80	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032104	TP103 ES 13 1.80	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032105	TP104 ES 2 0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032106	TP104 ES 6 1.60	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032107	TP104 ES 11 2.70	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032108	TP105 ES 2 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032109	TP105 ES 5 0.70	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032110	TP106 ES 2 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032111	TP106 ES 5 1.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032113	TP108 ES 2 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032114	TP111 ES 2 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032116	TP111 ES 11 1.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2

Note: Benzene elutes between C6 and C7, toluene elutes between C7 and C8, ethyl benzene and the xylenes elute between C8 and C9.

Xylenes have been deducted from the C8-C10 band to give the aliphatic fraction, however aromatic compounds may still be contributing to this fraction.

ALIPHATIC / AROMATIC FRACTION BY GC/FID

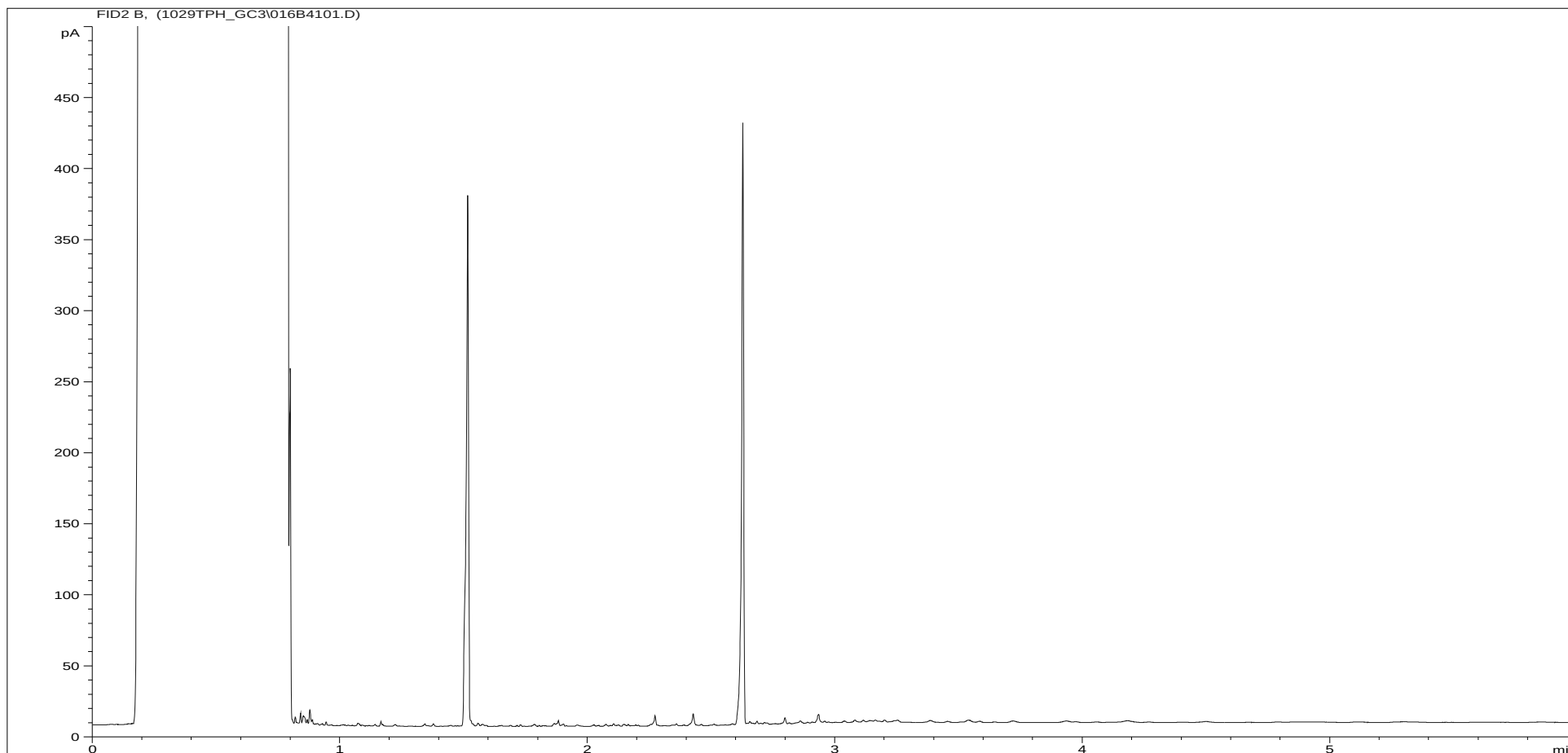
Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7295
QC Batch Number: 102272
Directory: D:\TES\DATA\Y2010\1029TPH_GC3\072B3501.D
Method: Ultra Sonic

Separation: Silica gel
Eluents: Hexane, DCM

Matrix: Soil
Date Booked in: 25-Oct-10
Date Extracted: 28-Oct-10
Date Analysed: 29-Oct-10

This sample data is not accredited.		Concentration, (mg/kg) - as dry weight.											
		>C8 - C10		>C10 - C12		>C12 - C16		>C16 - C21		>C21 - C35		>C8 - C40	
Sample ID	Client ID	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics
CL1032097	TP101 ES 3 0.30	<5	<5	<5	<5	<5	<5	<5	<5	<10.37	<10.37	<24	<24
CL1032098	TP101 ES 6 0.40	<5	<5	<5	<5	<5	<5	<5	<5	<10.42	<10.42	<24	<24
CL1032099	TP102 ES 3 0.20	<4	<4	<4	<4	<4	<4	<4	<4	<9.79	<9.79	<22	<22
CL1032100	TP102 ES 6 0.40	<5	<5	<5	<5	<5	<5	<5	<5	<10.29	<10.29	<24	<24
CL1032101	TP103 ES 1 0.10	<5	<5	<5	<5	5.58	<5	19.1	7.38	69.1	36.4	105.7	64.6
CL1032102	TP103 ES 7 0.80	<4	<4	<4	<4	<4	<4	10.7	<4	19.4	<9.84	36.9	<22
CL1032104	TP103 ES 13 1.80	<5	<5	<5	<5	<5	5.78	8.64	8.37	36.2	36	52.4	56.4
CL1032105	TP104 ES 2 0.20	<4.89	<5	<4.89	<5	<4.89	<5	<4.89	<5	<10.72	<10.47	<24.5	<24
CL1032106	TP104 ES 6 1.60	<5	<5	<5	<5	<5	<5	<5	<5	<10.38	19.2	<24	30.9
CL1032107	TP104 ES 11 2.70	<4.79	<5	<4.79	<5	<4.79	<5	<4.79	<5	<10.50	<10.26	<24.0	<23
CL1032108	TP105 ES 2 0.30	<5	<5	<5	<5	<5	12	<5	30.5	<10.05	71.9	<23	125
CL1032109	TP105 ES 5 0.70	<4.44	<4	<4.44	<4	<4.44	<4	<4.44	<4	<9.73	<9.50	<22.2	<22
CL1032110	TP106 ES 2 0.30	<4	<4	<4	<4	<4	<4	<4	<4	<9.76	<9.76	<22	<22
CL1032111	TP106 ES 5 1.10	<4	<4	<4	<4	<4	<4	<4	<4	<9.83	<9.83	<22	<22
CL1032113	TP108 ES 2 0.30	<5	<5	<5	<5	<5	<5	<5	<5	<9.88	<9.88	<23	<23
CL1032114	TP111 ES 2 0.30	<4.64	<5	<4.64	<5	<4.64	<5	<4.64	<5	<10.18	<9.94	<23.3	<23
CL1032116	TP111 ES 11 1.00	<5	<5	<5	<5	<5	<5	<5	<5	<9.88	<9.88	<23	<23

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1032097ALI

Multiplier: 15.96

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\016B4101.D

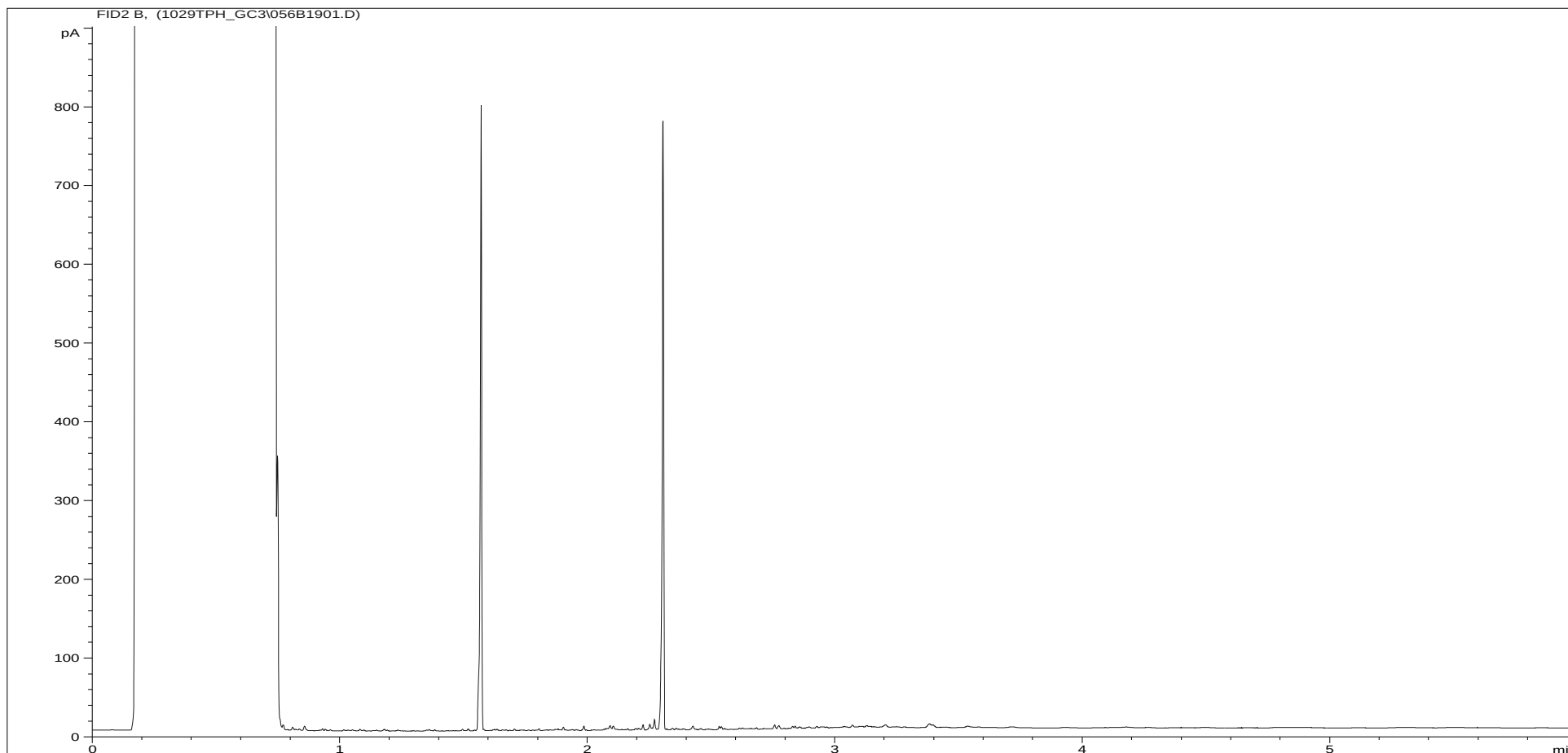
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: TP101 ES 3 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032097ARO

Multiplier: 13.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\056B1901.D

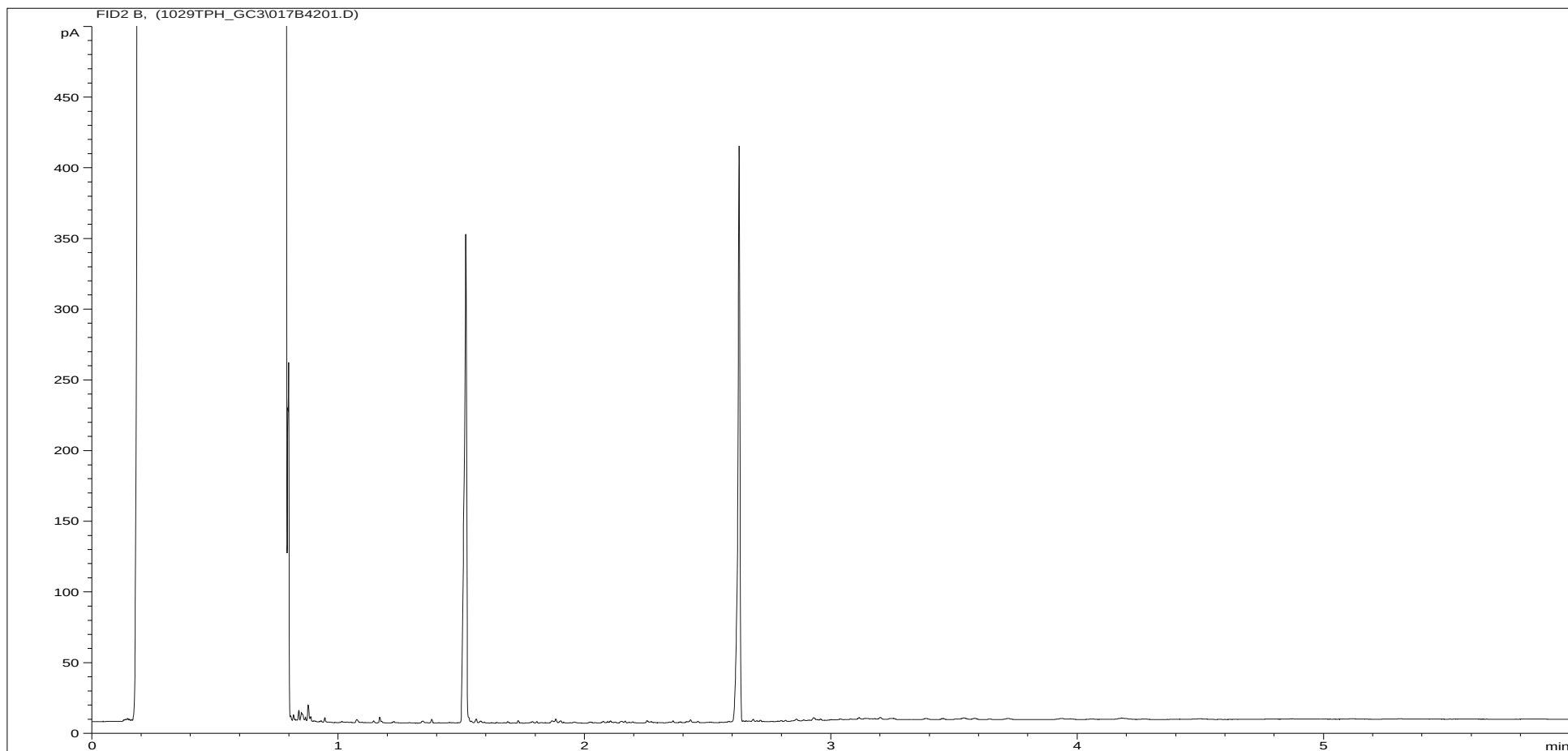
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

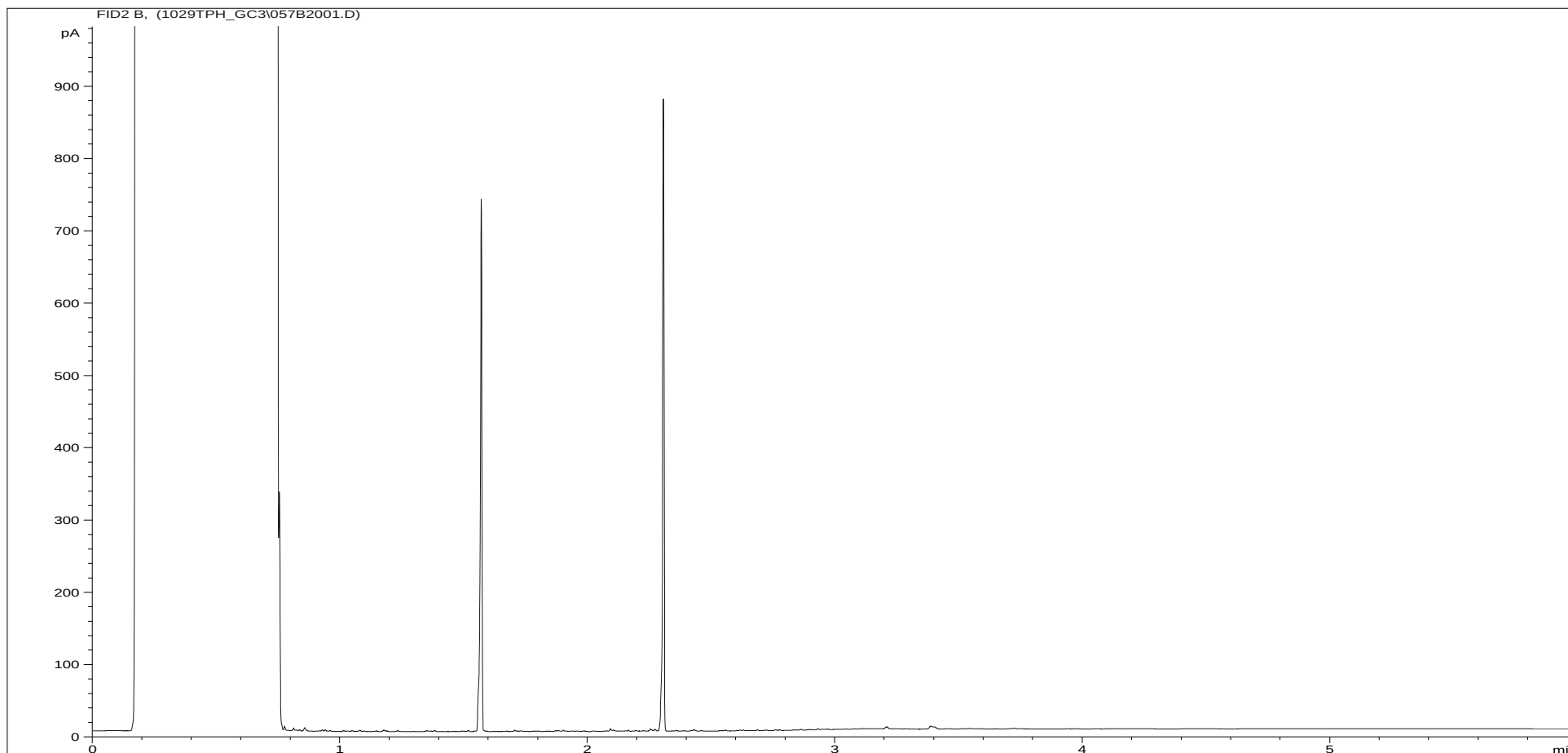
Client Sample Ref: TP101 ES 3 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032098ALI	Job Number:	S10_7295M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP101 ES 6 0.40
Acquisition Date/Time:	29-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\017B4201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032098ARO

Multiplier: 11.4

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\057B2001.D

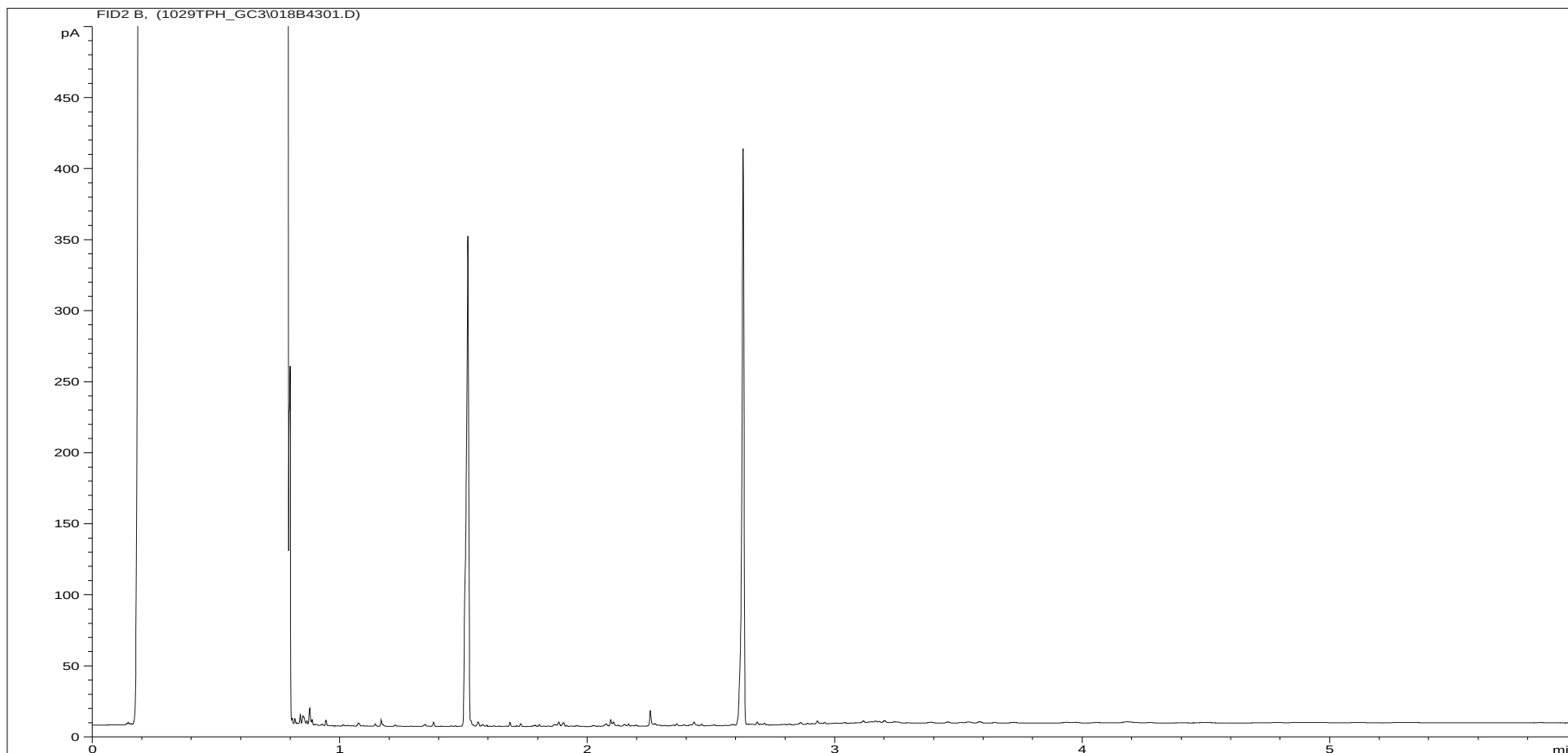
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

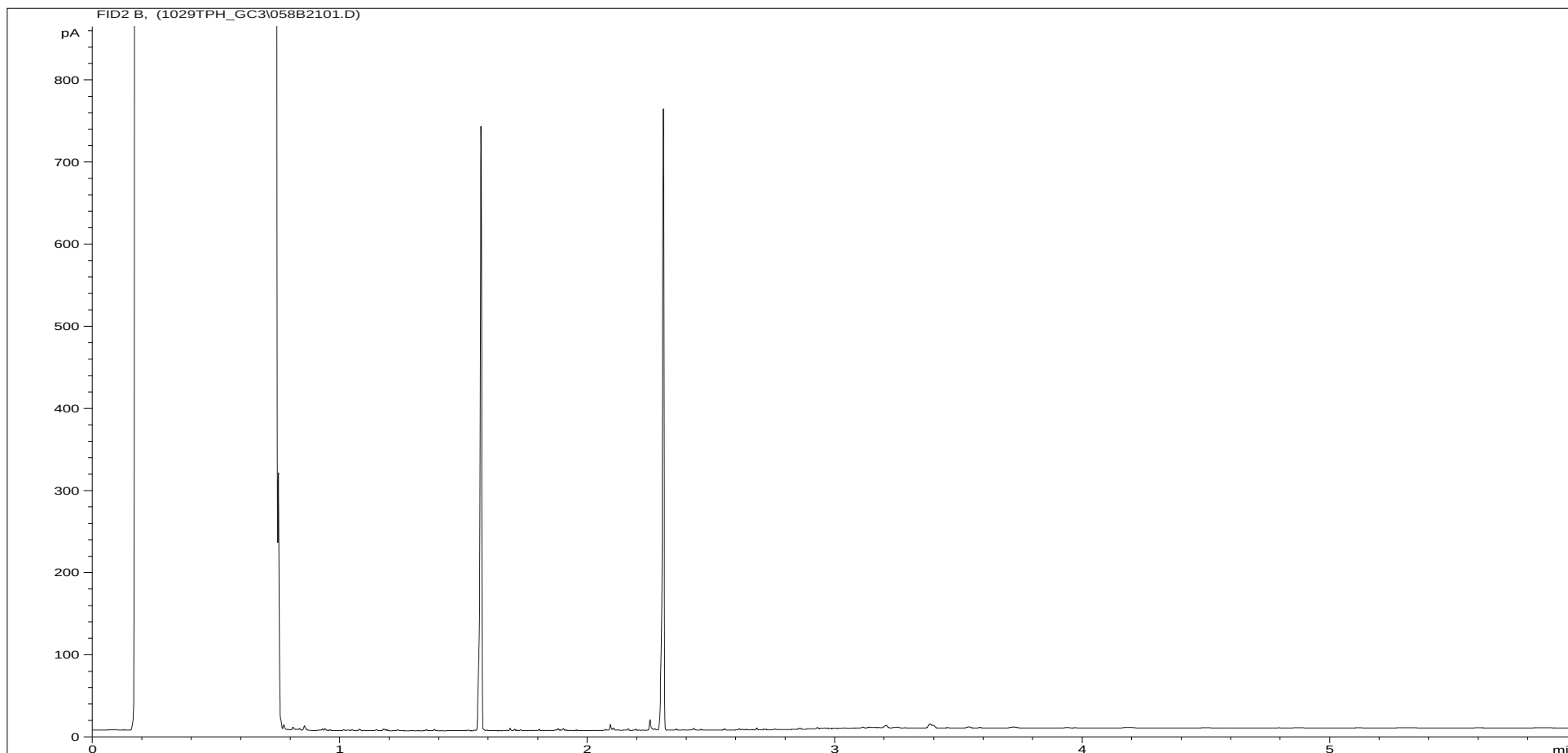
Client Sample Ref: TP101 ES 6 0.40

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032099ALI	Job Number:	S10_7295M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP102 ES 3 0.20
Acquisition Date/Time:	29-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\018B4301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032099ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\058B2101.D

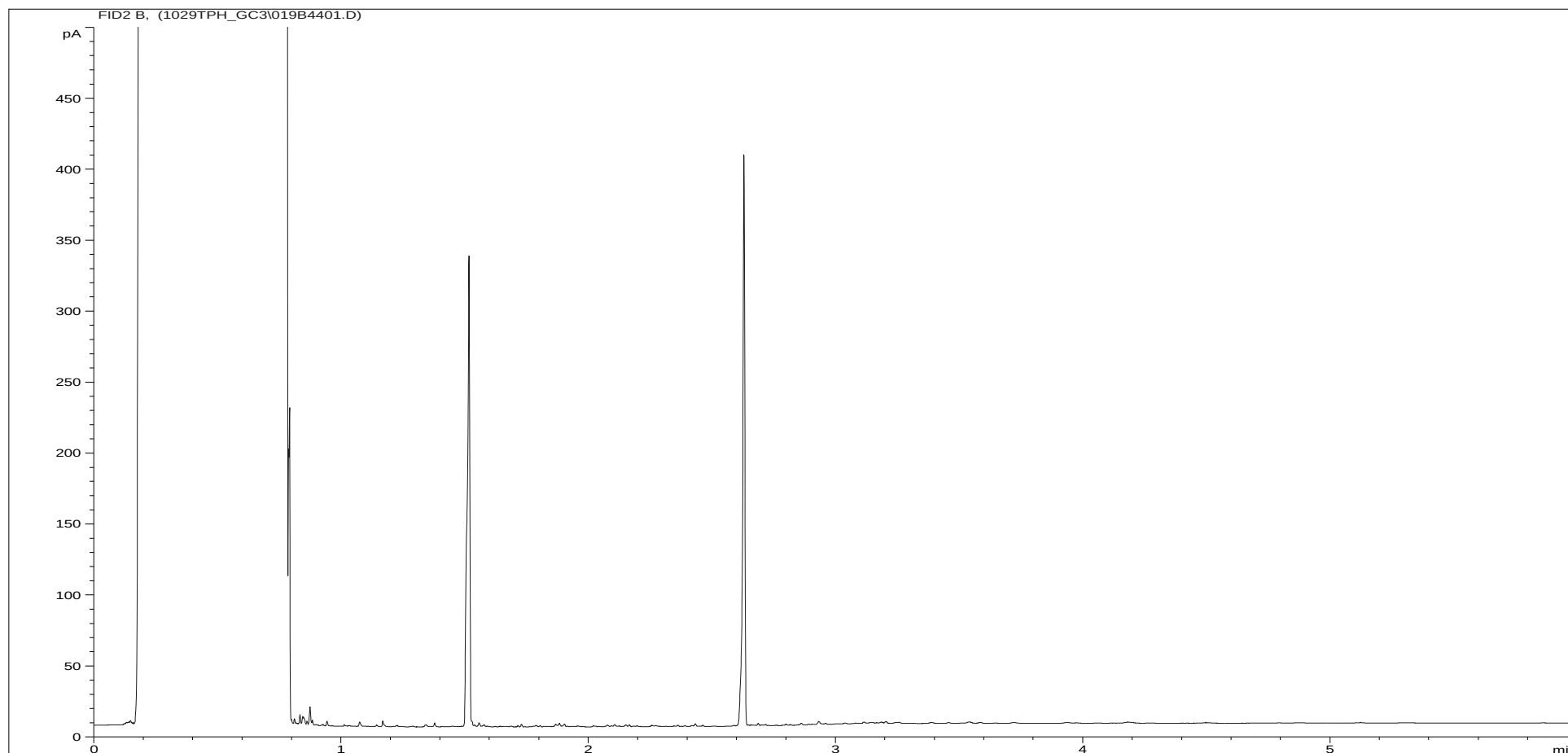
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

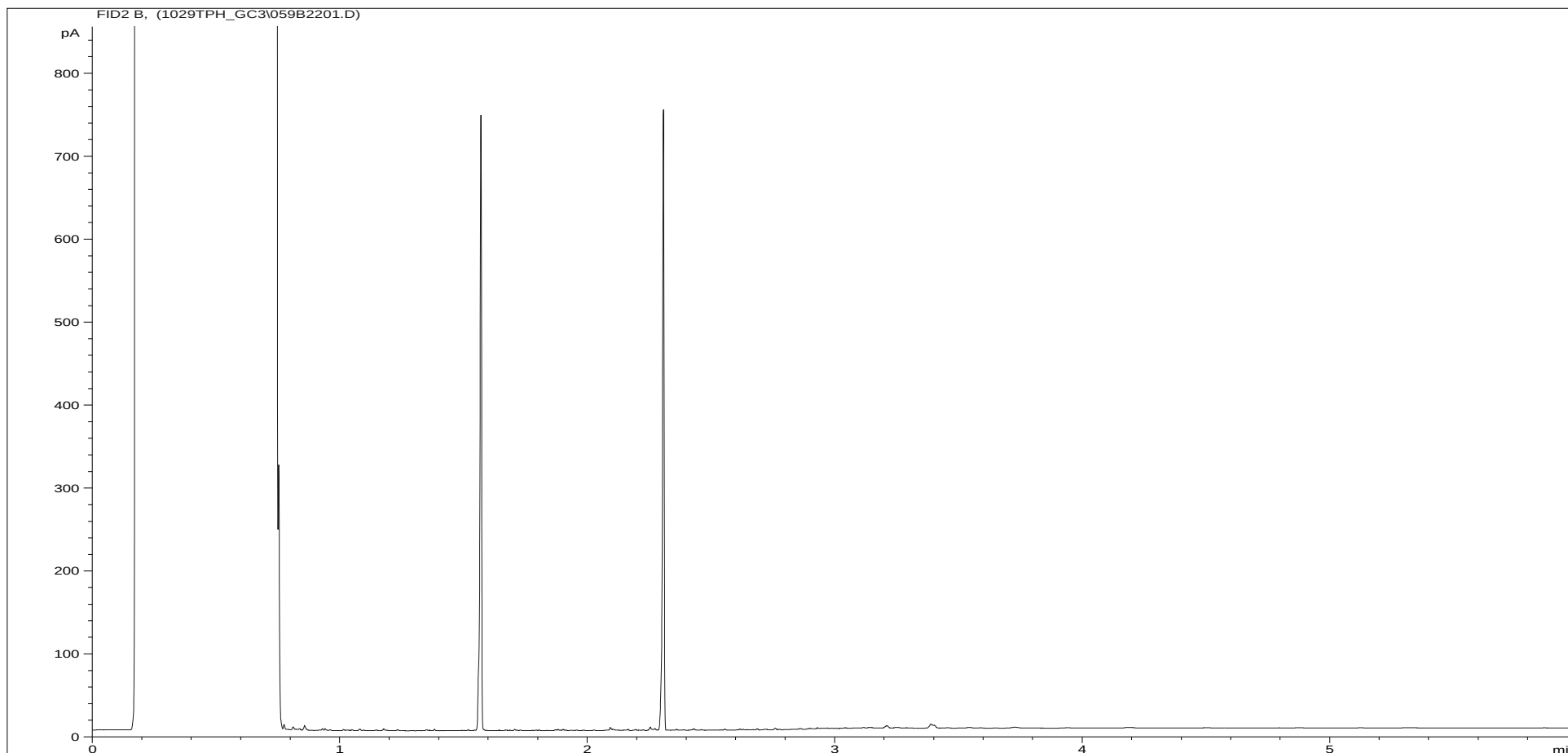
Client Sample Ref: TP102 ES 3 0.20

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032100ALI	Job Number:	S10_7295M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP102 ES 6 0.40
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\019B4401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032100ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\059B2201.D

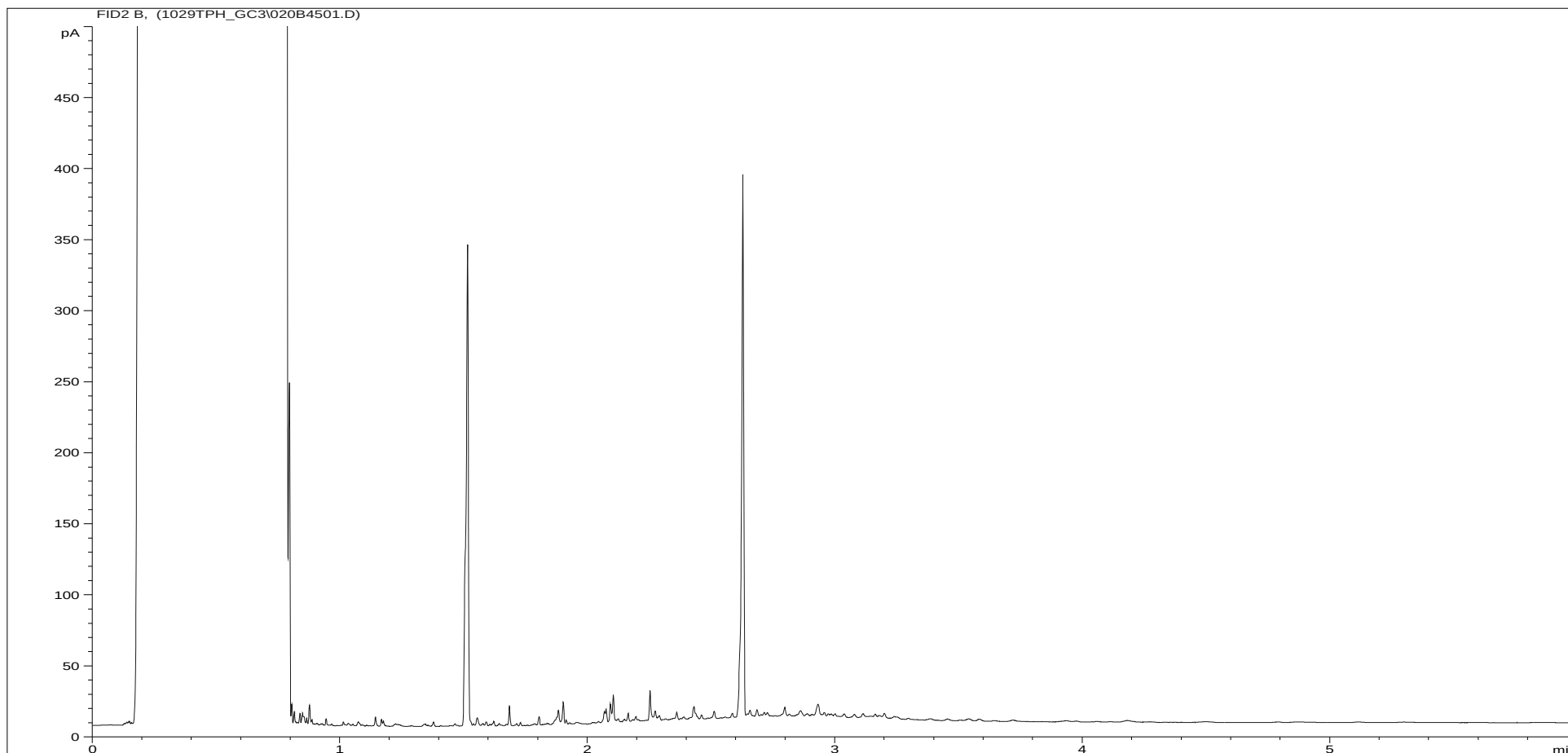
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

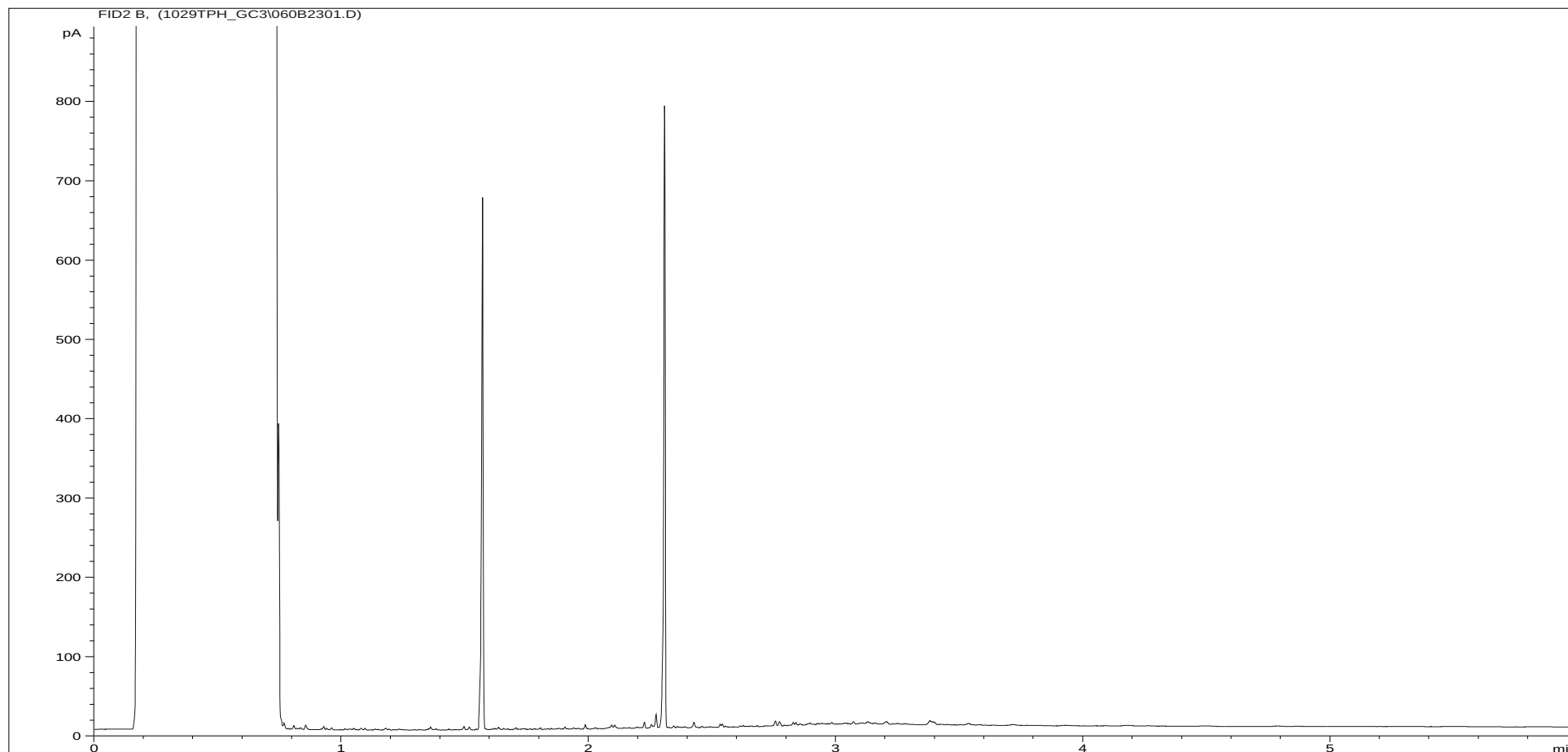
Client Sample Ref: TP102 ES 6 0.40

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032101ALI	Job Number:	S10_7295M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP103 ES 1 0.10
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\020B4501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032101ARO

Multiplier: 11.4

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\060B2301.D

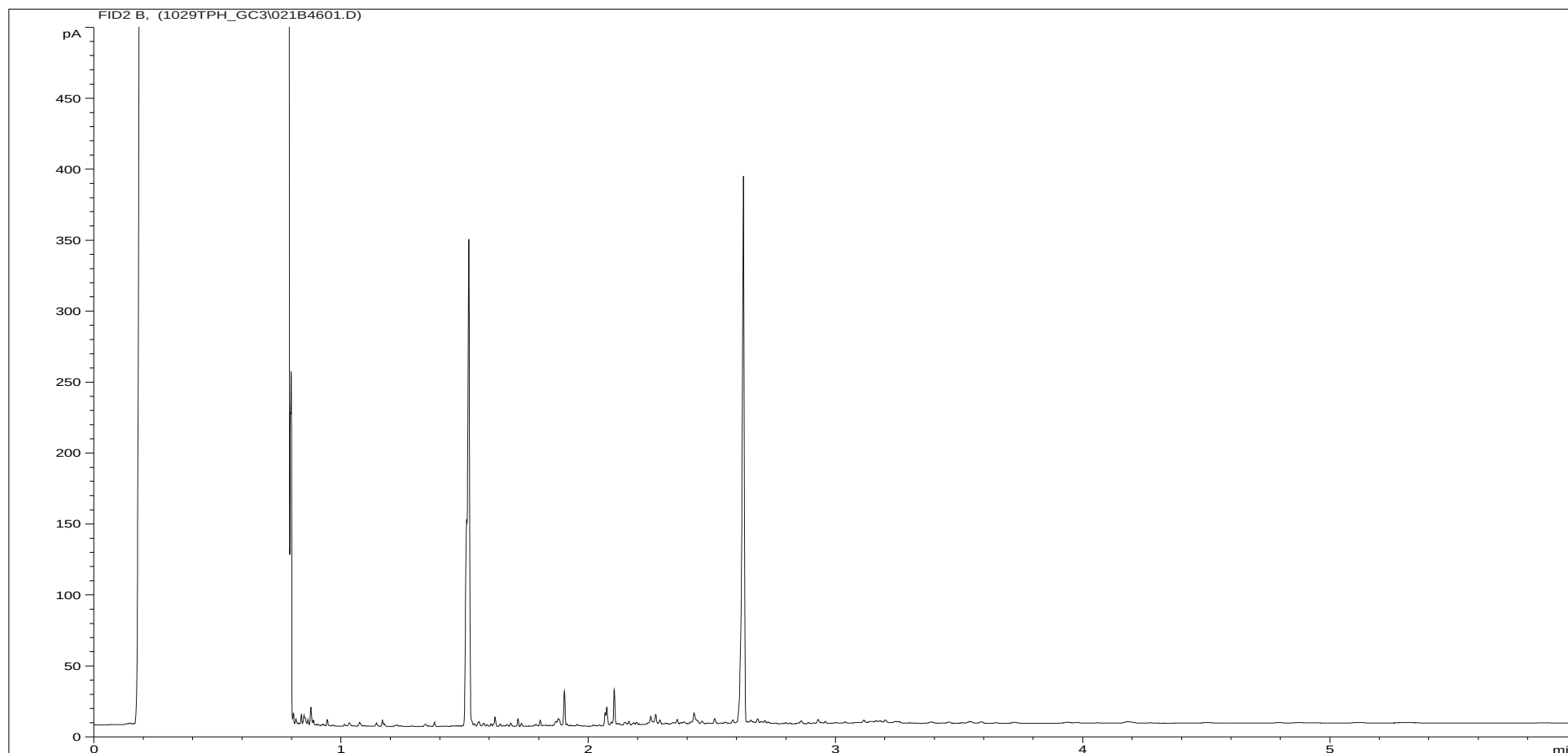
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

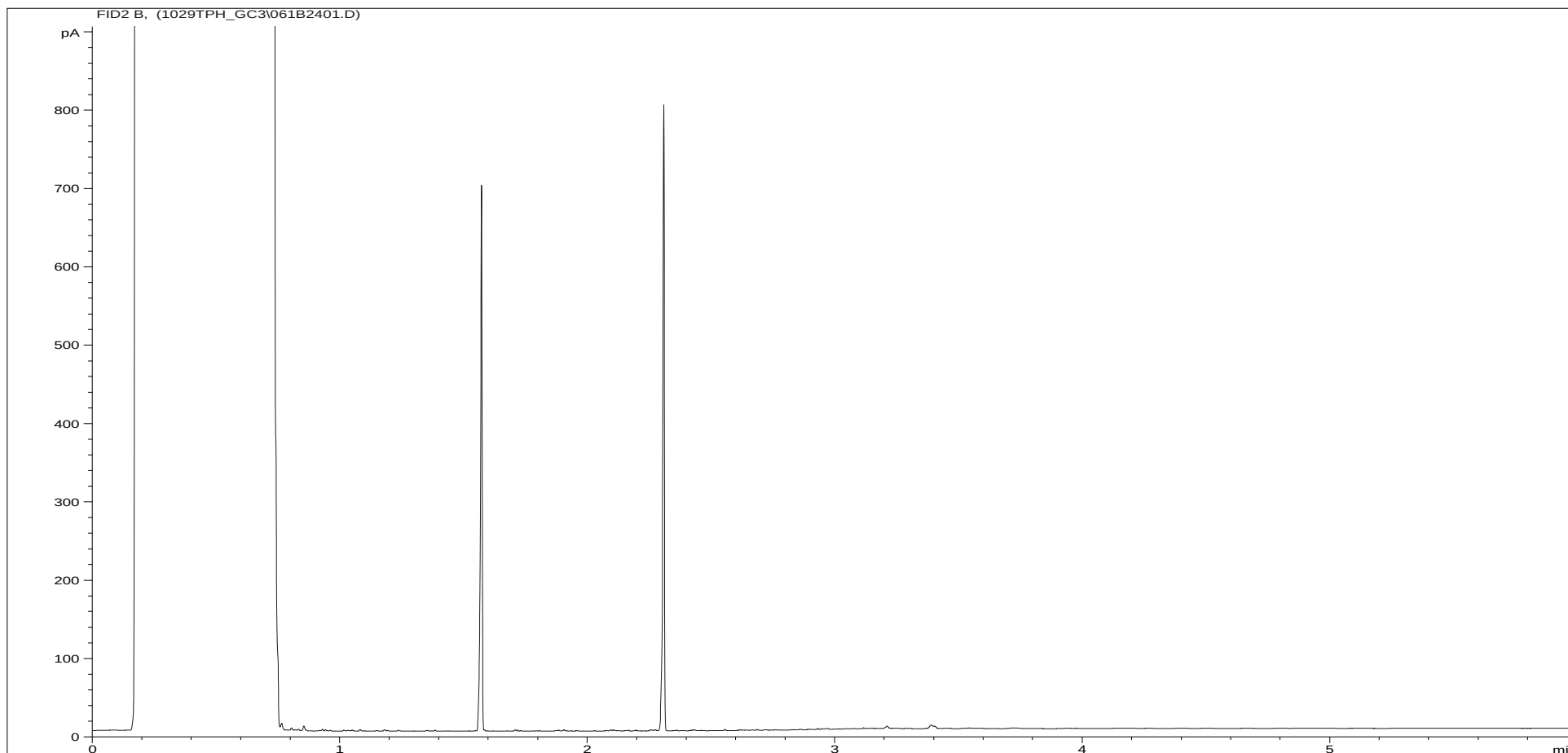
Client Sample Ref: TP103 ES 1 0.10

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032102ALI	Job Number:	S10_7295M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP103 ES 7 0.80
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\021B4601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032102ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\061B2401.D

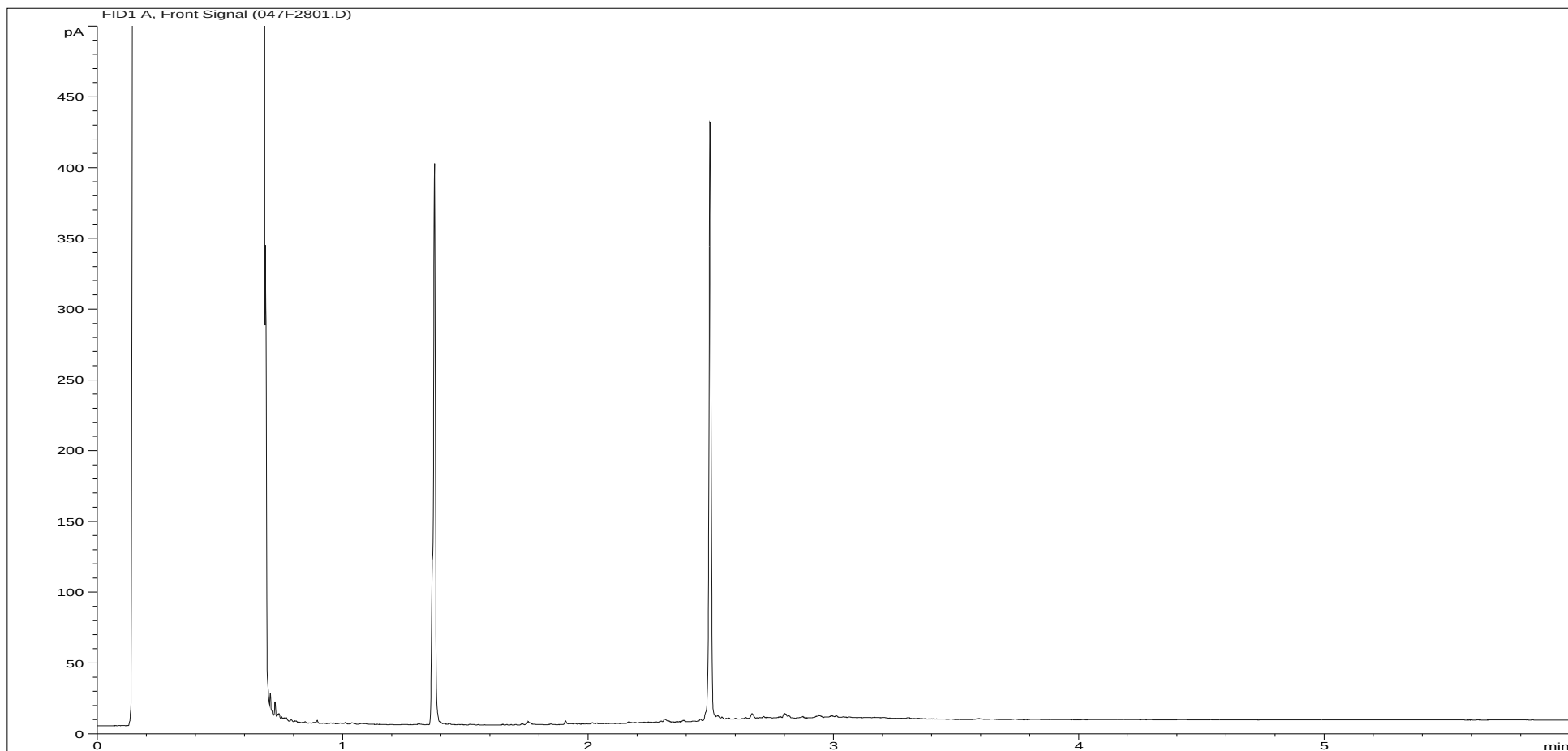
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

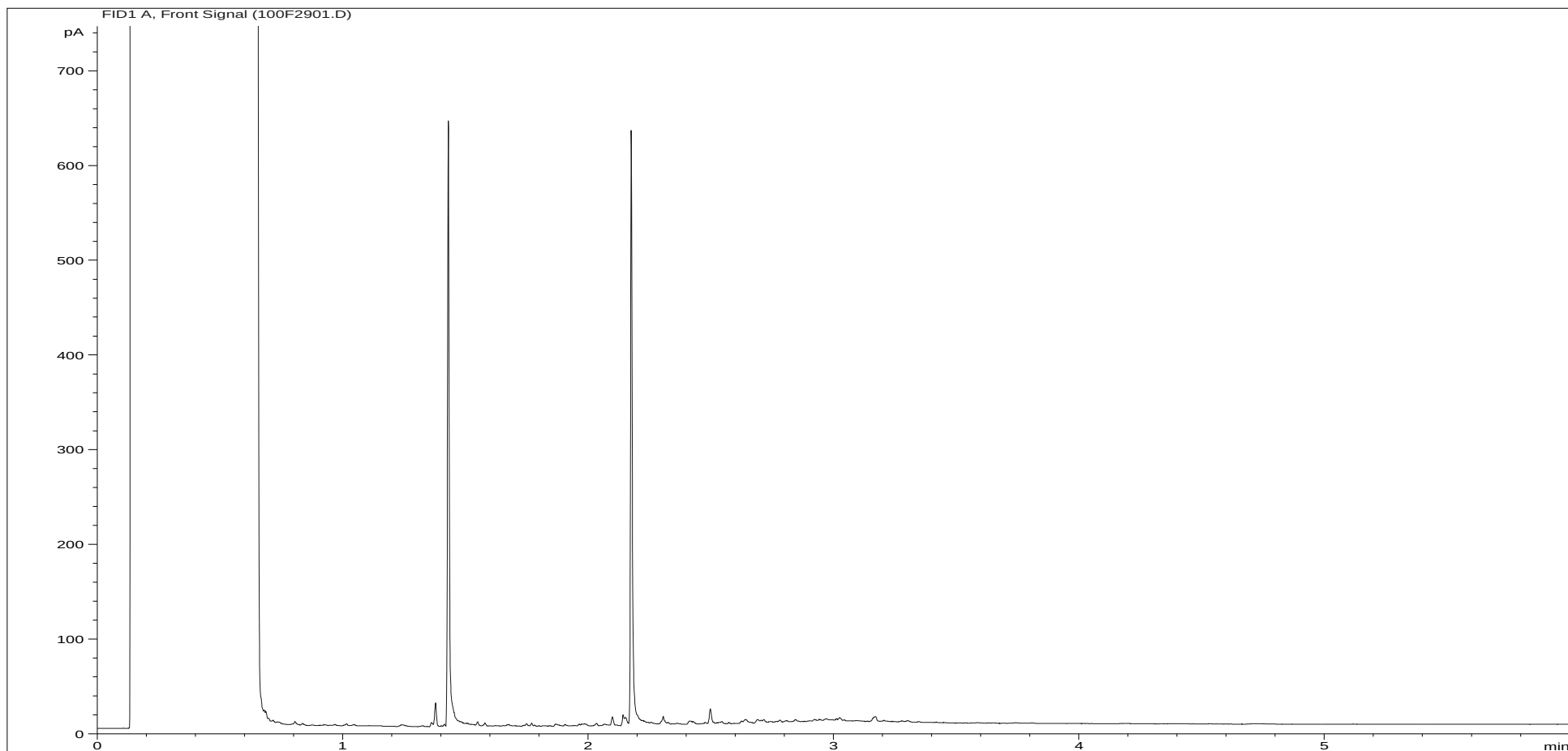
Client Sample Ref: TP103 ES 7 0.80

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



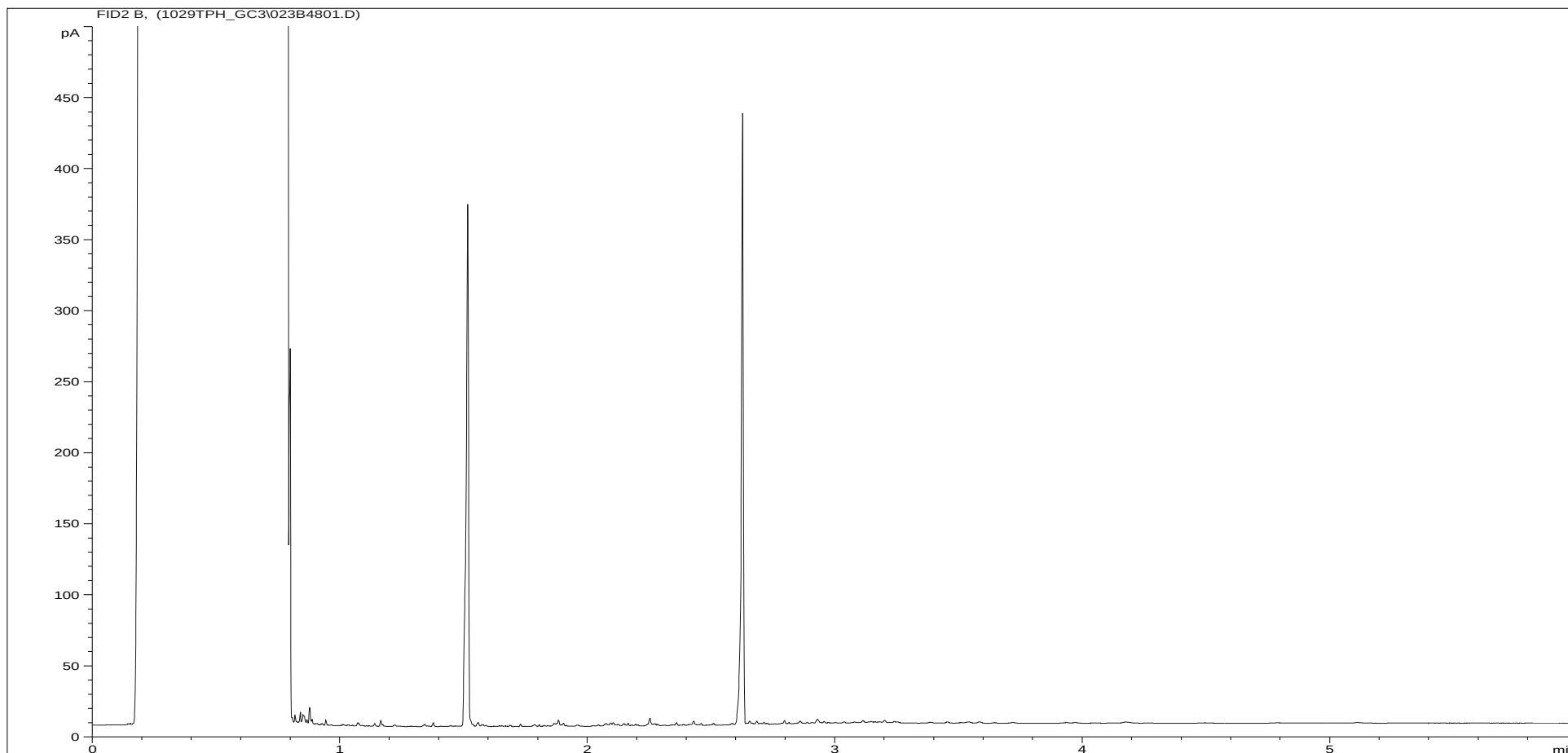
Sample ID:	CL1032104ALI	Job Number:	S10_7295M
Multiplier:	14.44	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP103 ES 13 1.80
Acquisition Date/Time:	02-Nov-10, 14:25:53		
Datafile:	D:\TES\DATA\Y2010\1102TPH_GC14\110210 2010-11-02 08-22-10\047F2801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



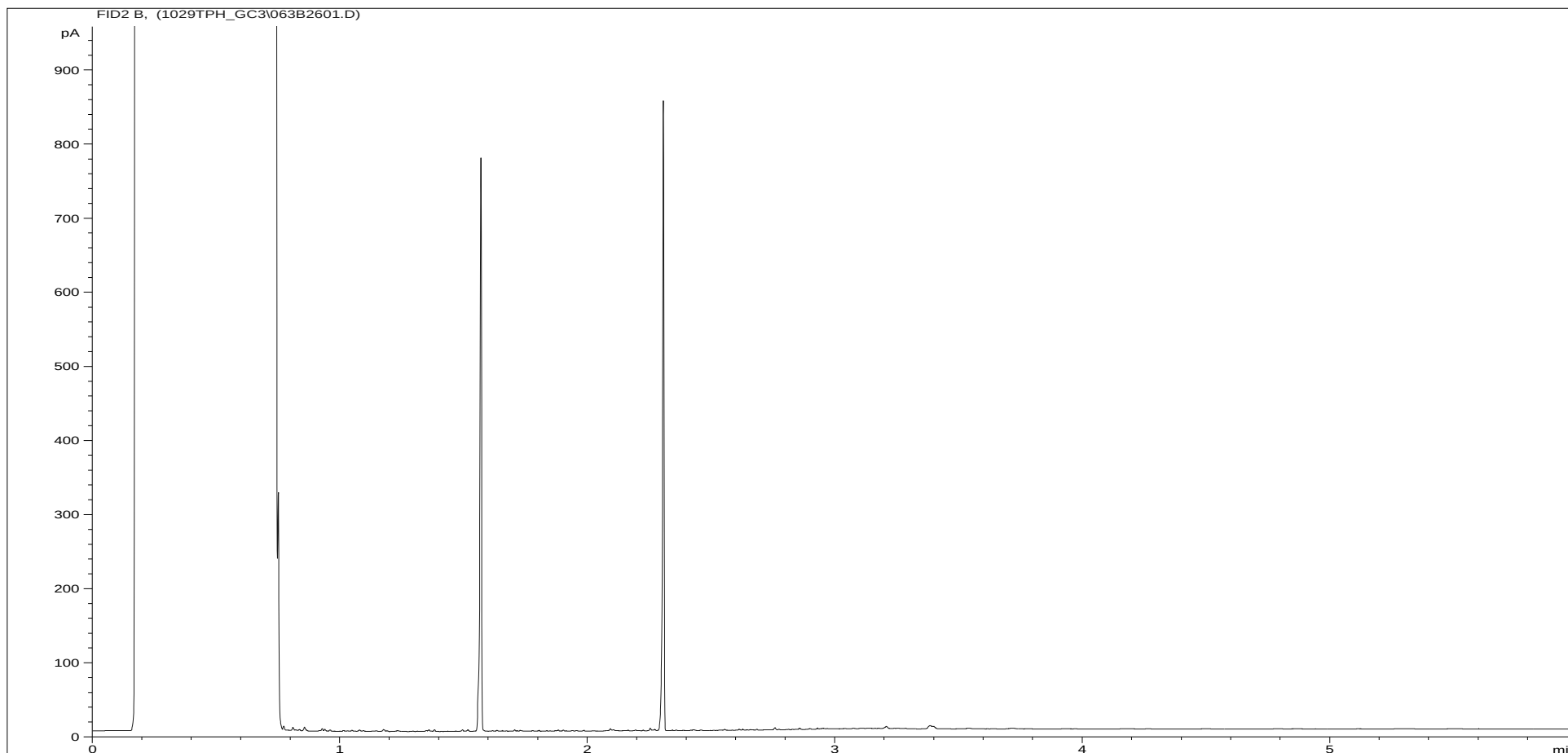
Sample ID:	CL1032104ARO	Job Number:	S10_7295M
Multiplier:	11.4	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP103 ES 13 1.80
Acquisition Date/Time:	02-Nov-10, 14:37:57		
Datafile:	D:\TES\DATA\Y2010\1102TPH_GC14\110210 2010-11-02 08-22-10\100F2901.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



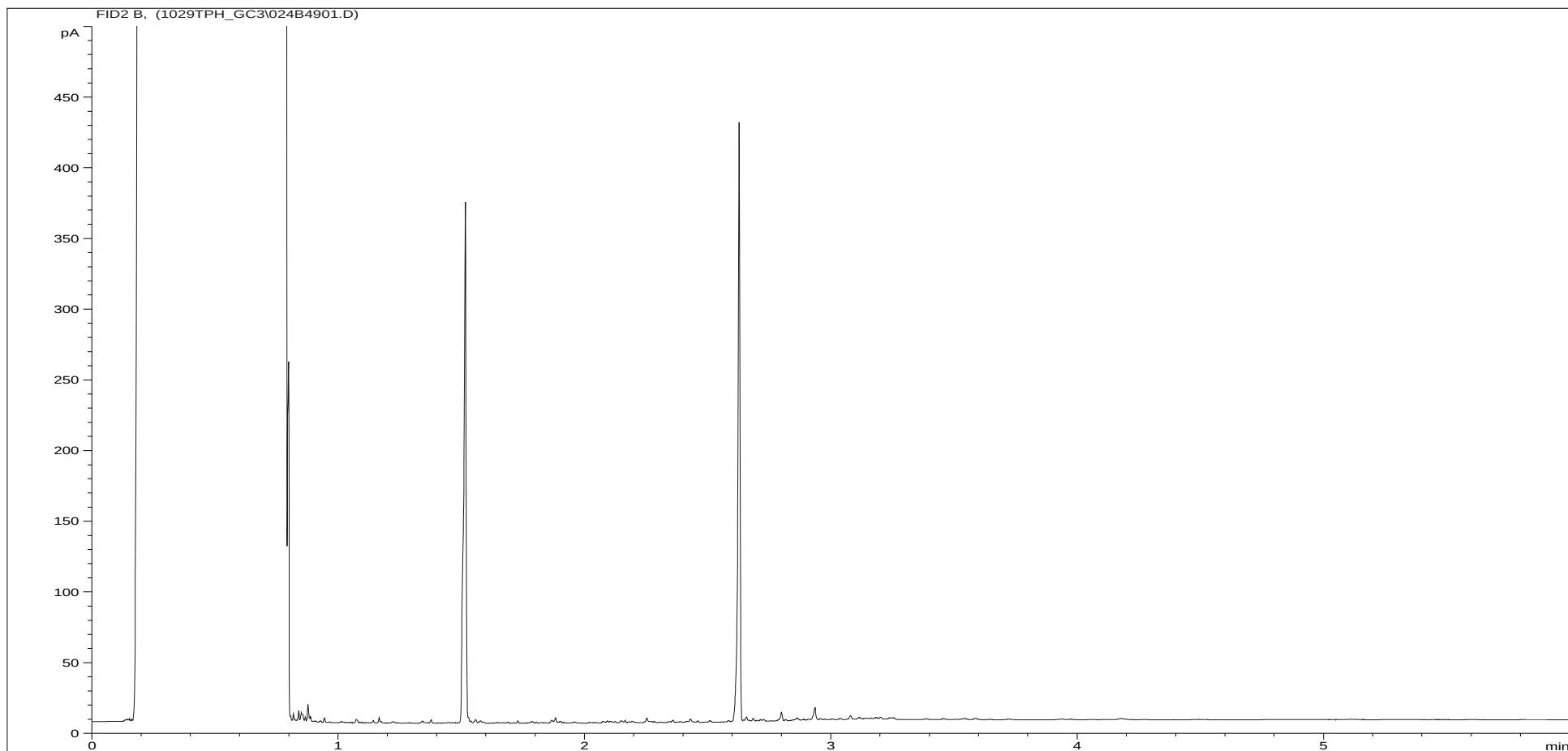
Sample ID:	CL1032105ALI	Job Number:	S10_7295M
Multiplier:	16.38	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP104 ES 2 0.20
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\023B4801.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



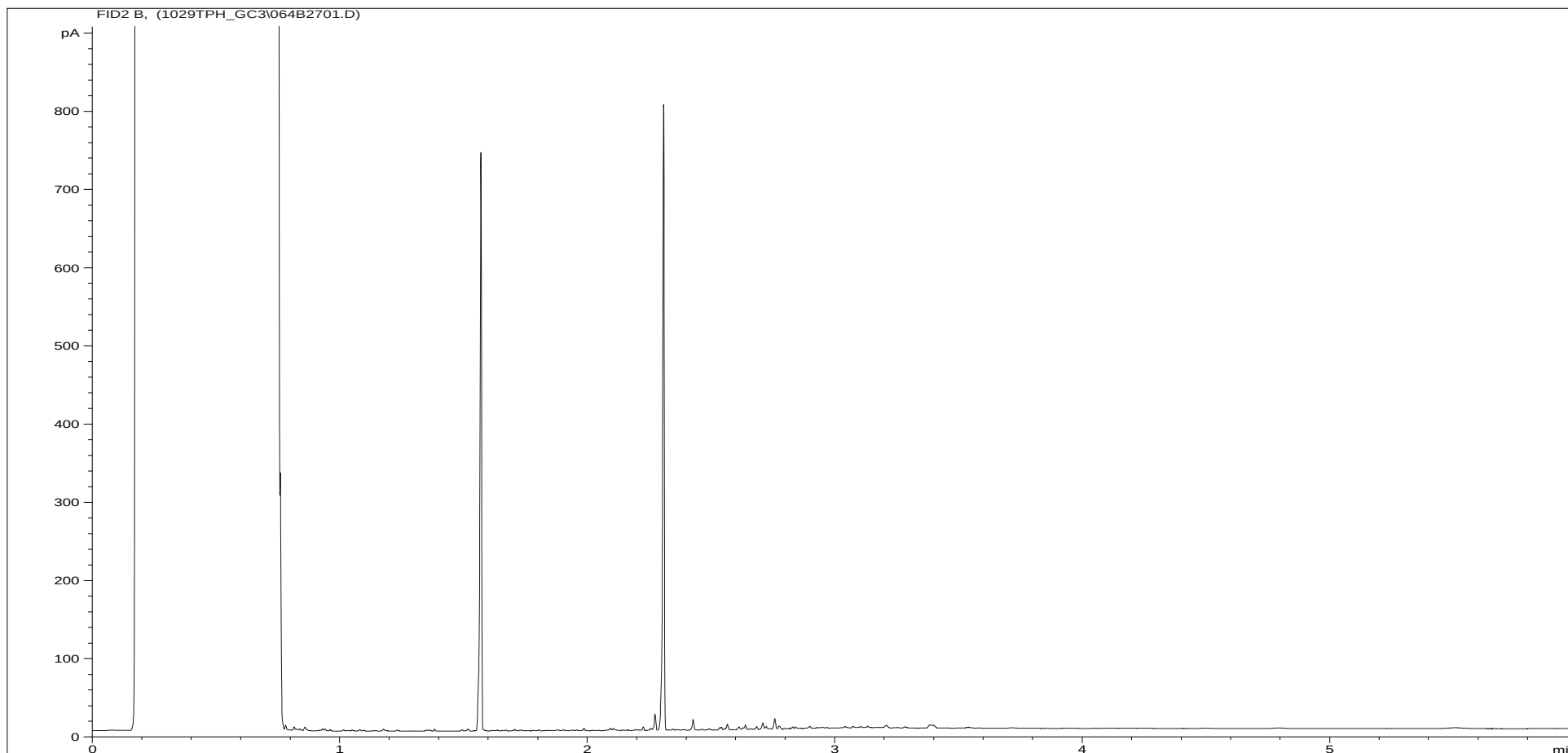
Sample ID:	CL1032105ARO	Job Number:	S10_7295M
Multiplier:	12.18	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP104 ES 2 0.20
Acquisition Date/Time:	29-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\063B2601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032106ALI	Job Number:	S10_7295M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP104 ES 6 1.60
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\024B4901.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032106ARO

Multiplier: 10.64

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\064B2701.D

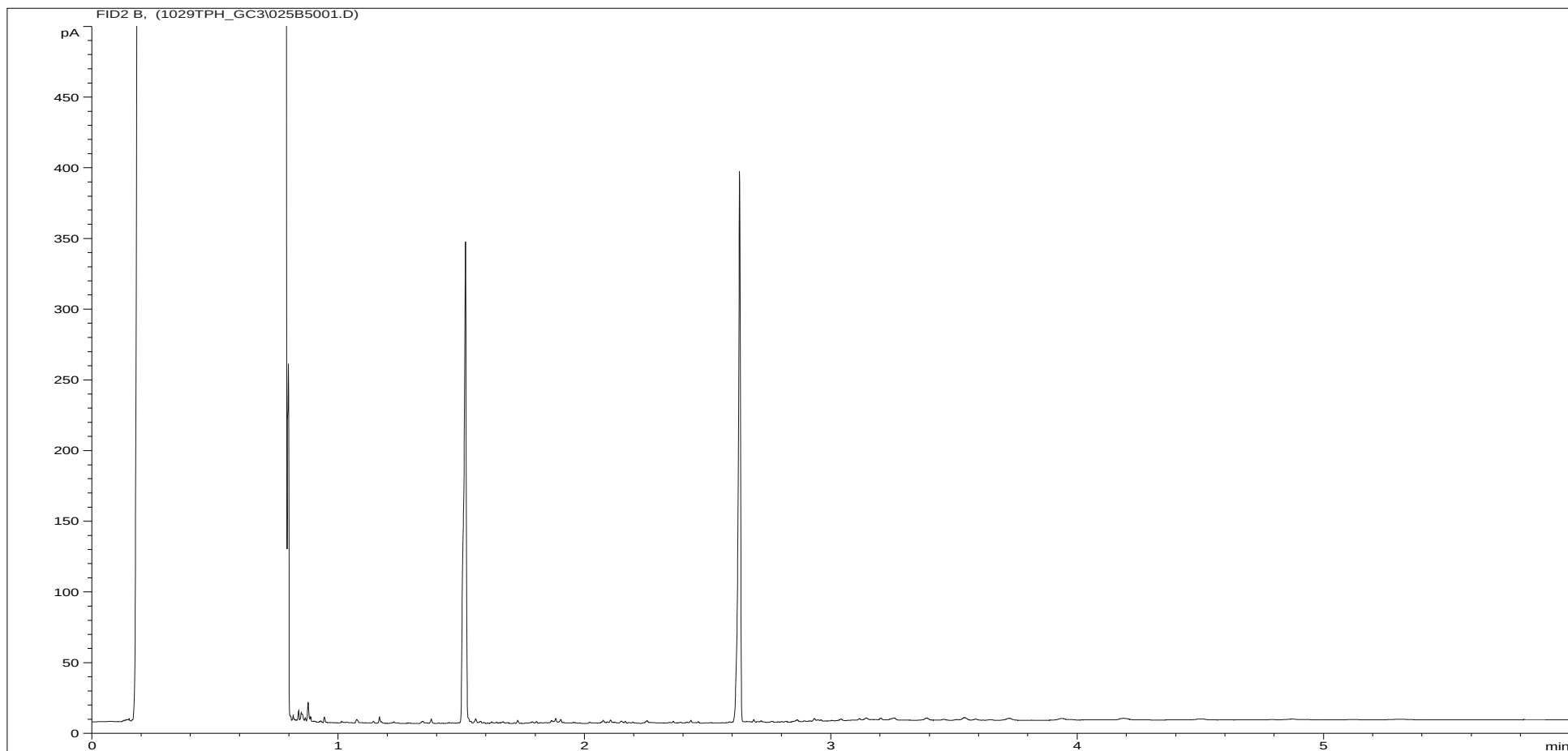
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

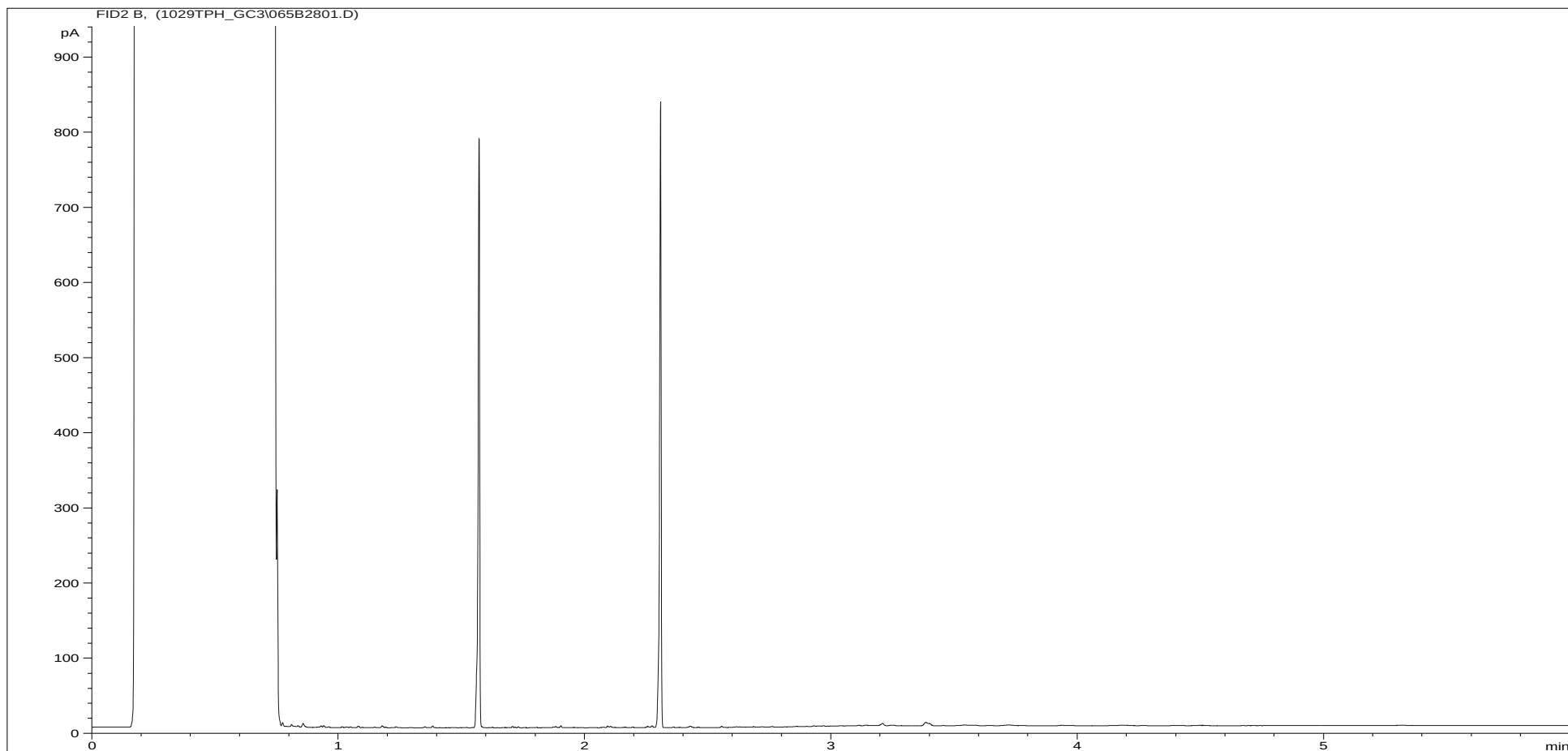
Client Sample Ref: TP104 ES 6 1.60

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032107ALI	Job Number:	S10_7295M
Multiplier:	16.38	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP104 ES 11 2.70
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\025B5001.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032107ARO

Multiplier: 12.6

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\065B2801.D

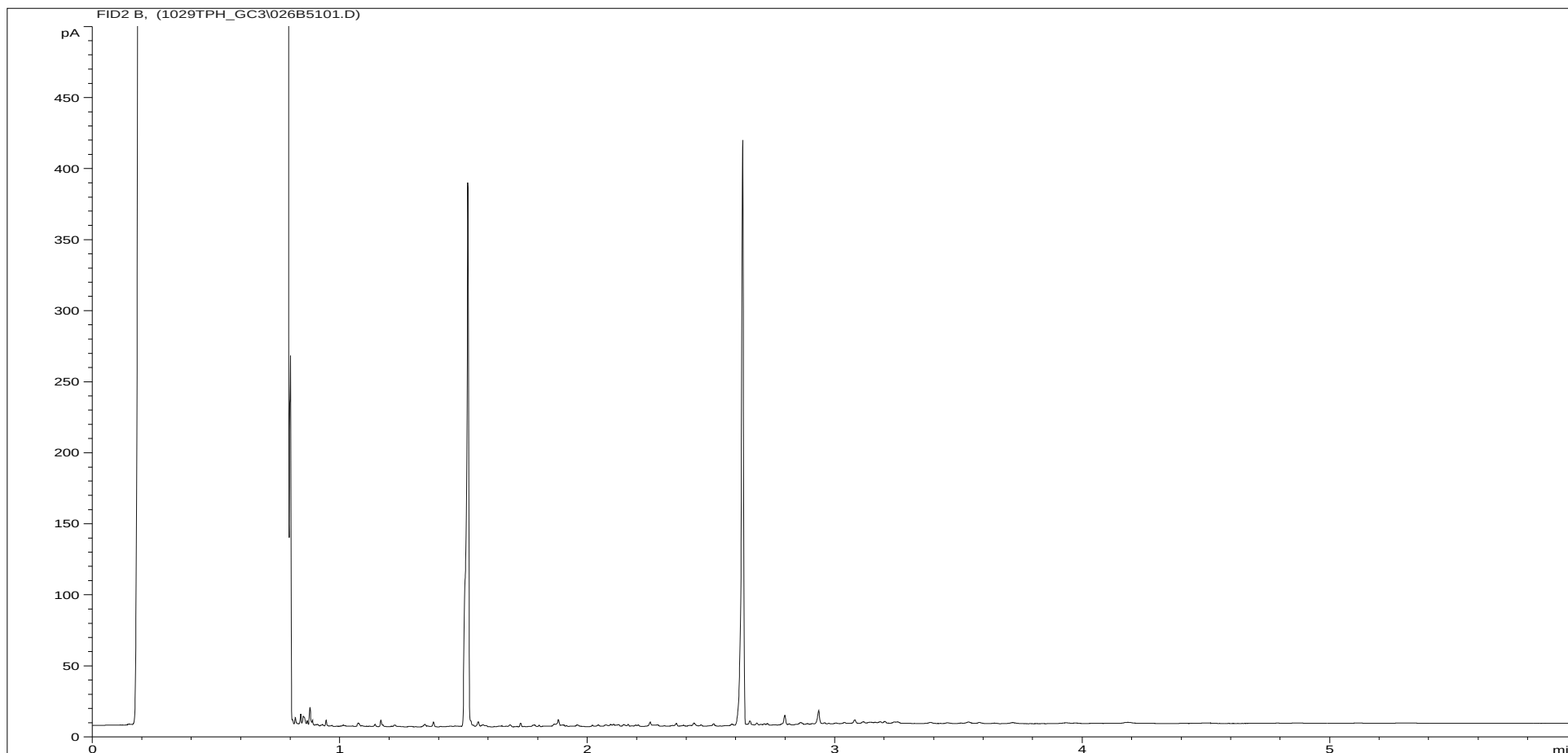
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: TP104 ES 11 2.70

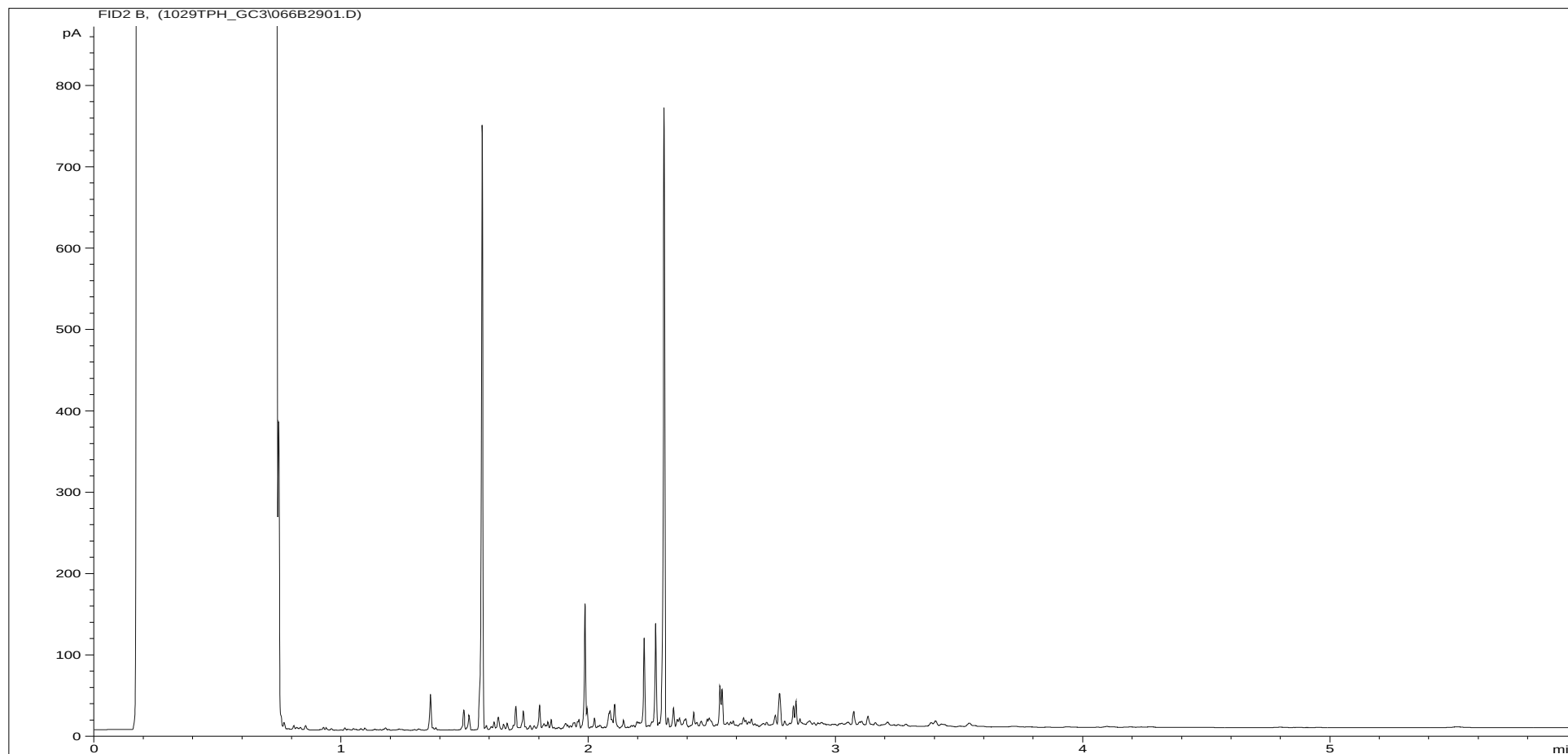
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1032108ALI
Multiplier: 14.82
Dilution: 1
Acquisition Method: 5UL_RUNF.M
Acquisition Date/Time: 30-Oct-10
Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\026B5101.D

Job Number: S10_7295M
Client: Soil Mechanics
Site: Ferrybridge Multifuel PowerStn
Client Sample Ref: TP105 ES 2 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032108ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\066B2901.D

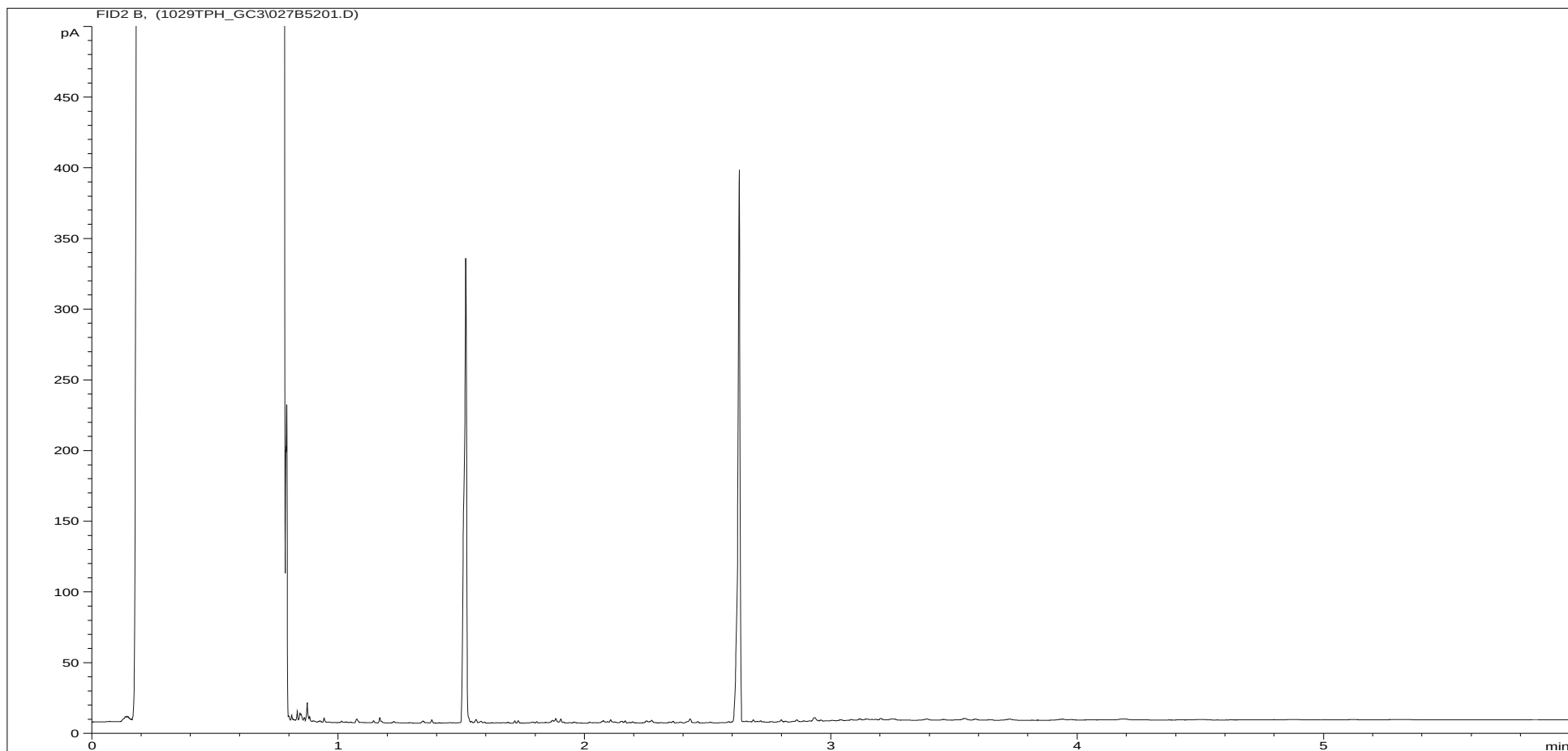
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

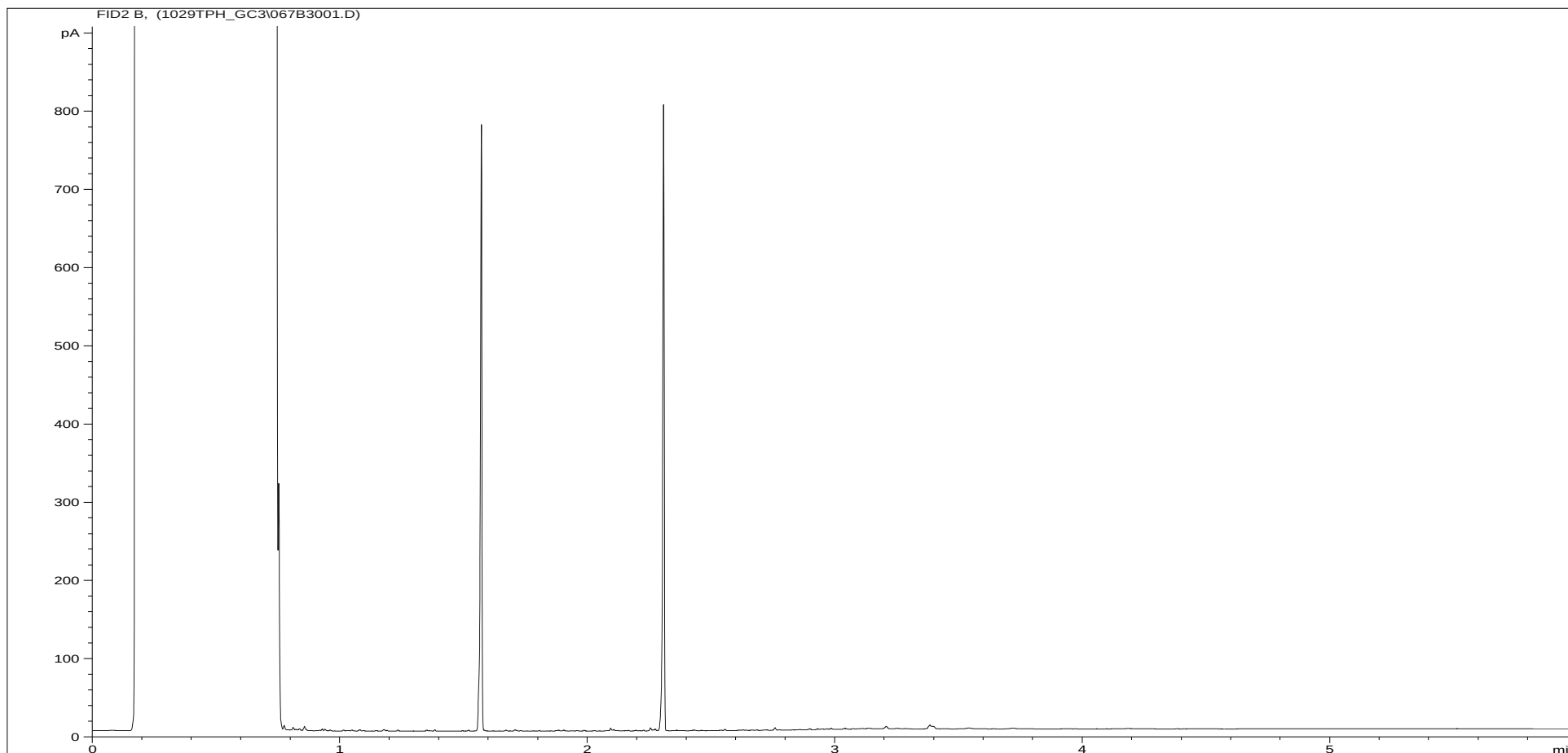
Client Sample Ref: TP105 ES 2 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032109ALI	Job Number:	S10_7295M
Multiplier:	16.38	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP105 ES 5 0.70
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\027B5201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032109ARO

Multiplier: 12.6

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\067B3001.D

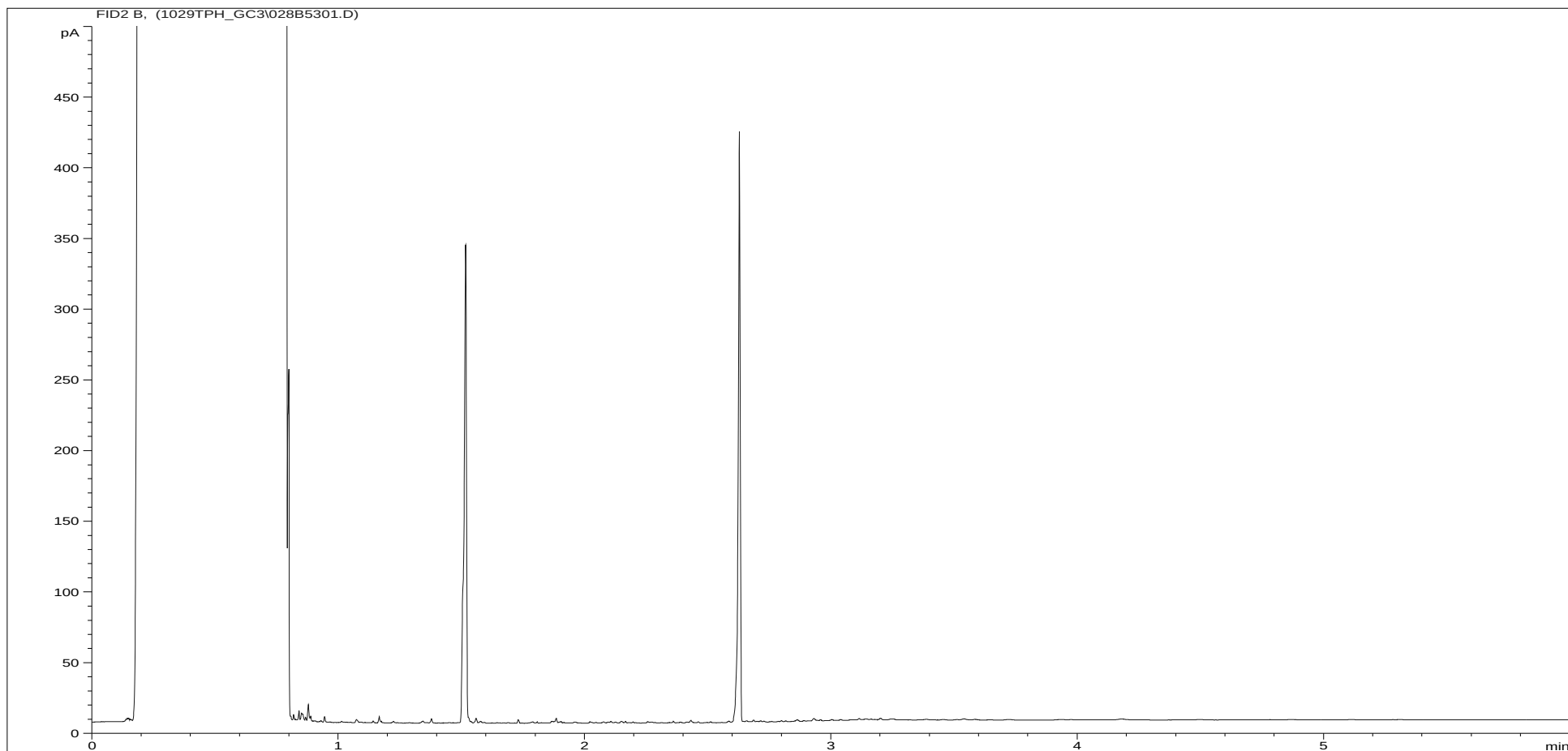
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

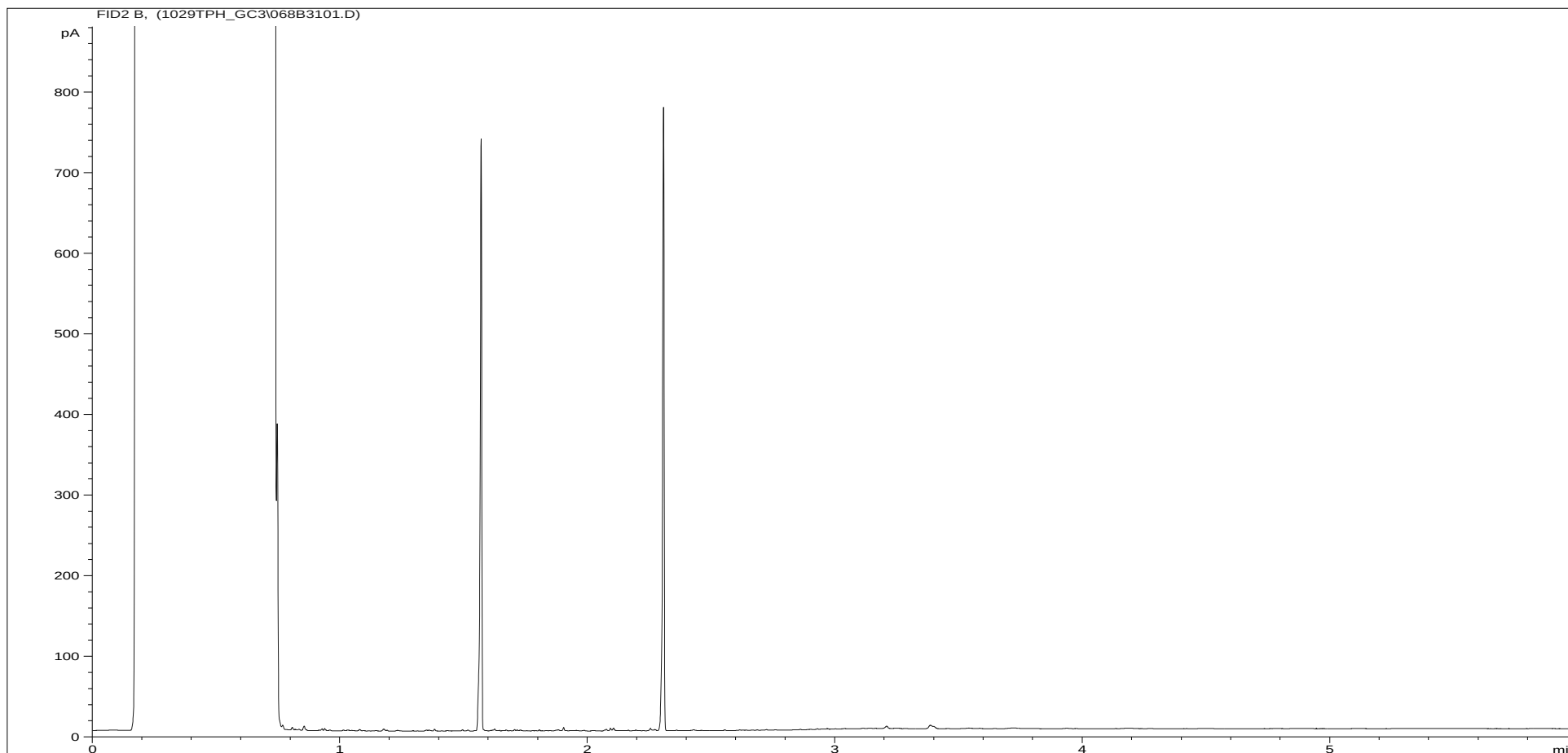
Client Sample Ref: TP105 ES 5 0.70

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032110ALI	Job Number:	S10_7295M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP106 ES 2 0.30
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\028B5301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032110ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\068B3101.D

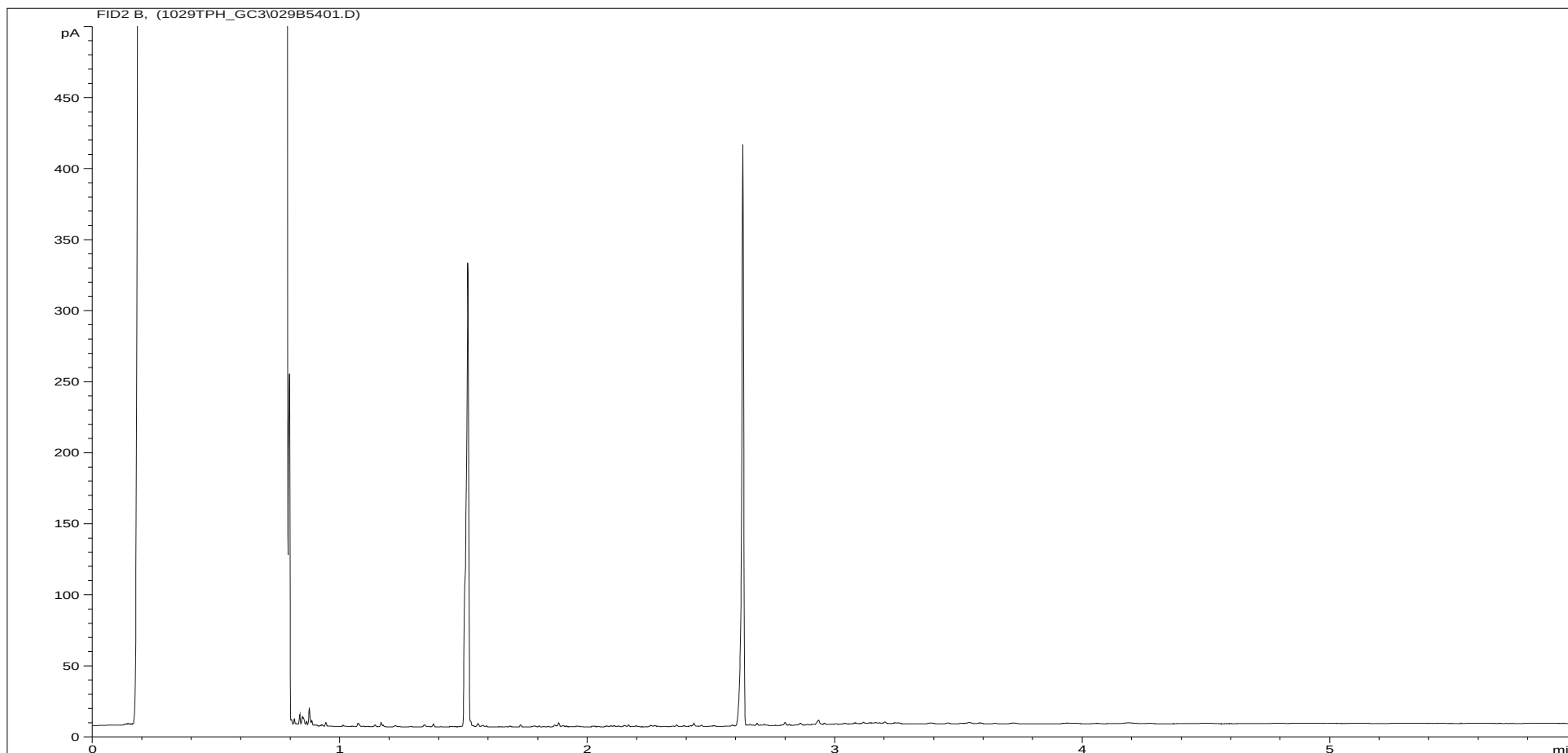
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: TP106 ES 2 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID: CL1032111ALI

Multiplier: 14.82

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 30-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\029B5401.D

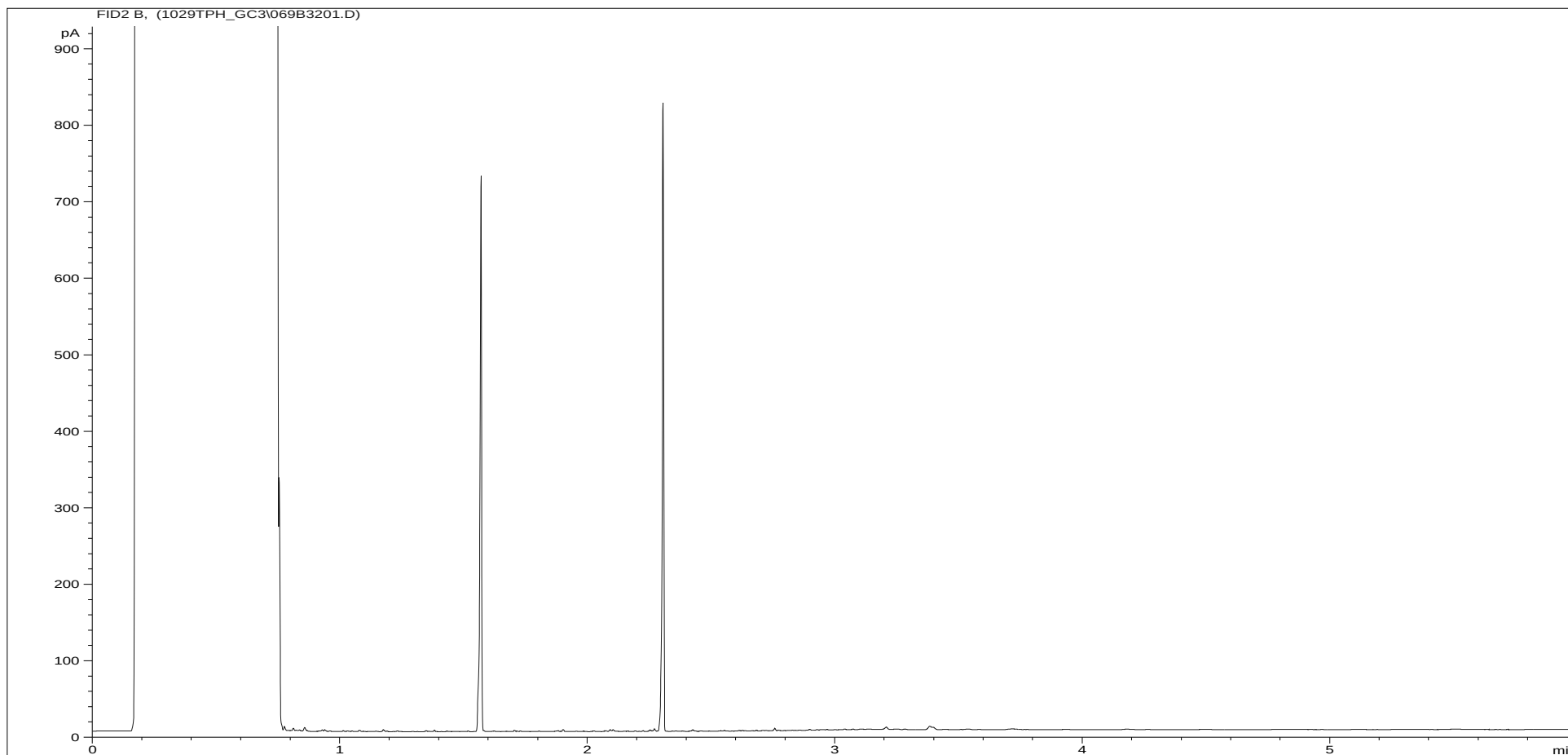
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: TP106 ES 5 1.10

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032111ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\069B3201.D

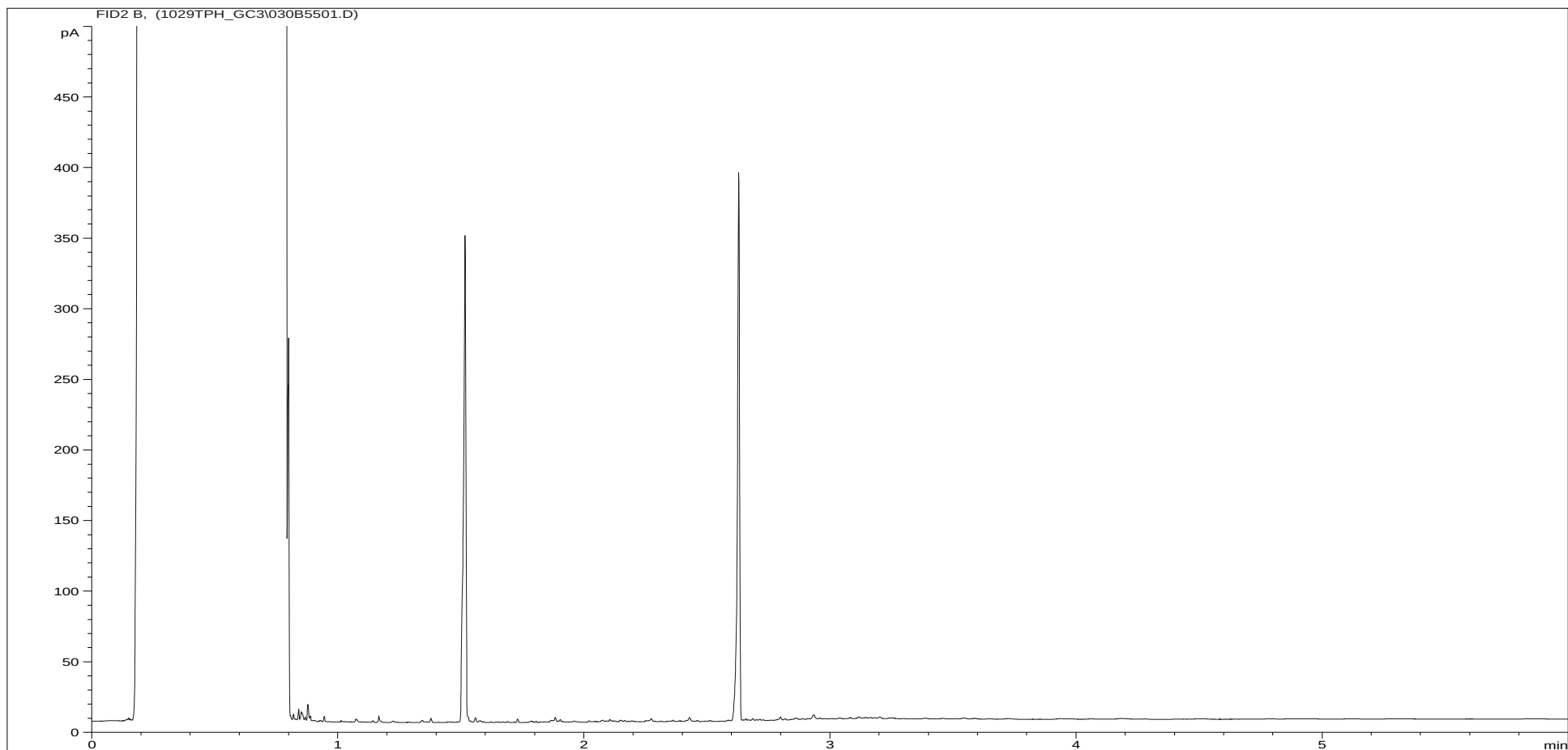
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

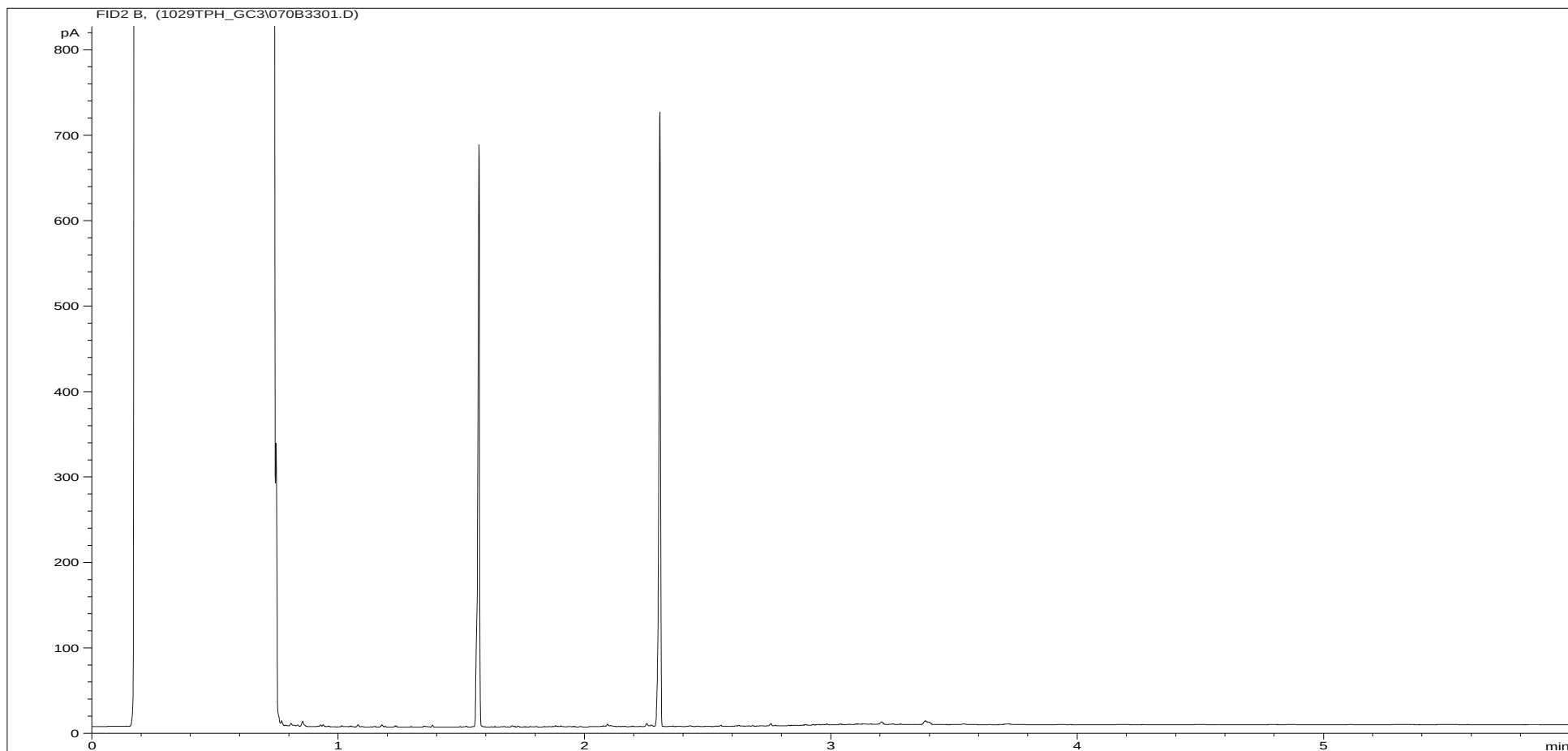
Client Sample Ref: TP106 ES 5 1.10

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



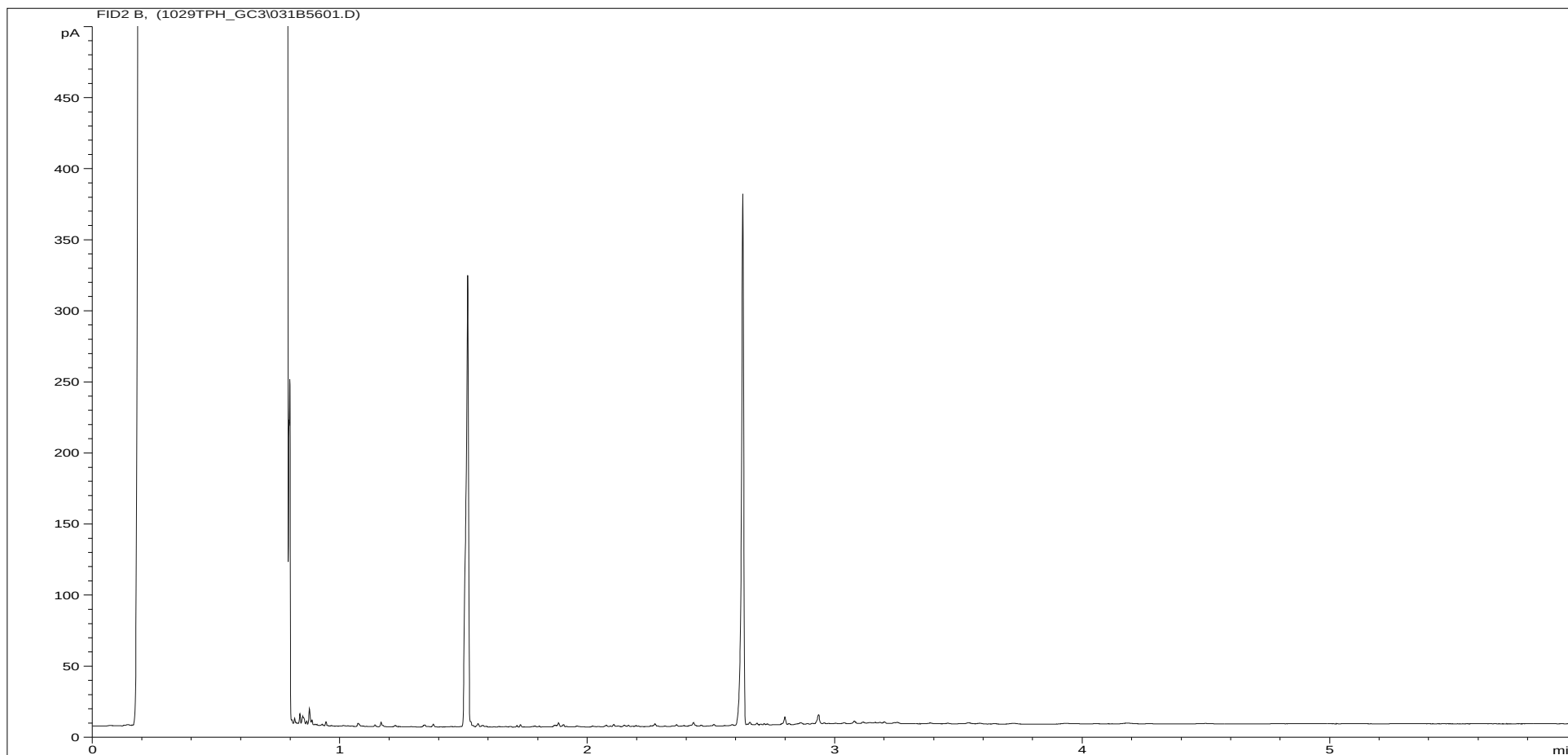
Sample ID:	CL1032113ALI	Job Number:	S10_7295M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP108 ES 2 0.30
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\030B5501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



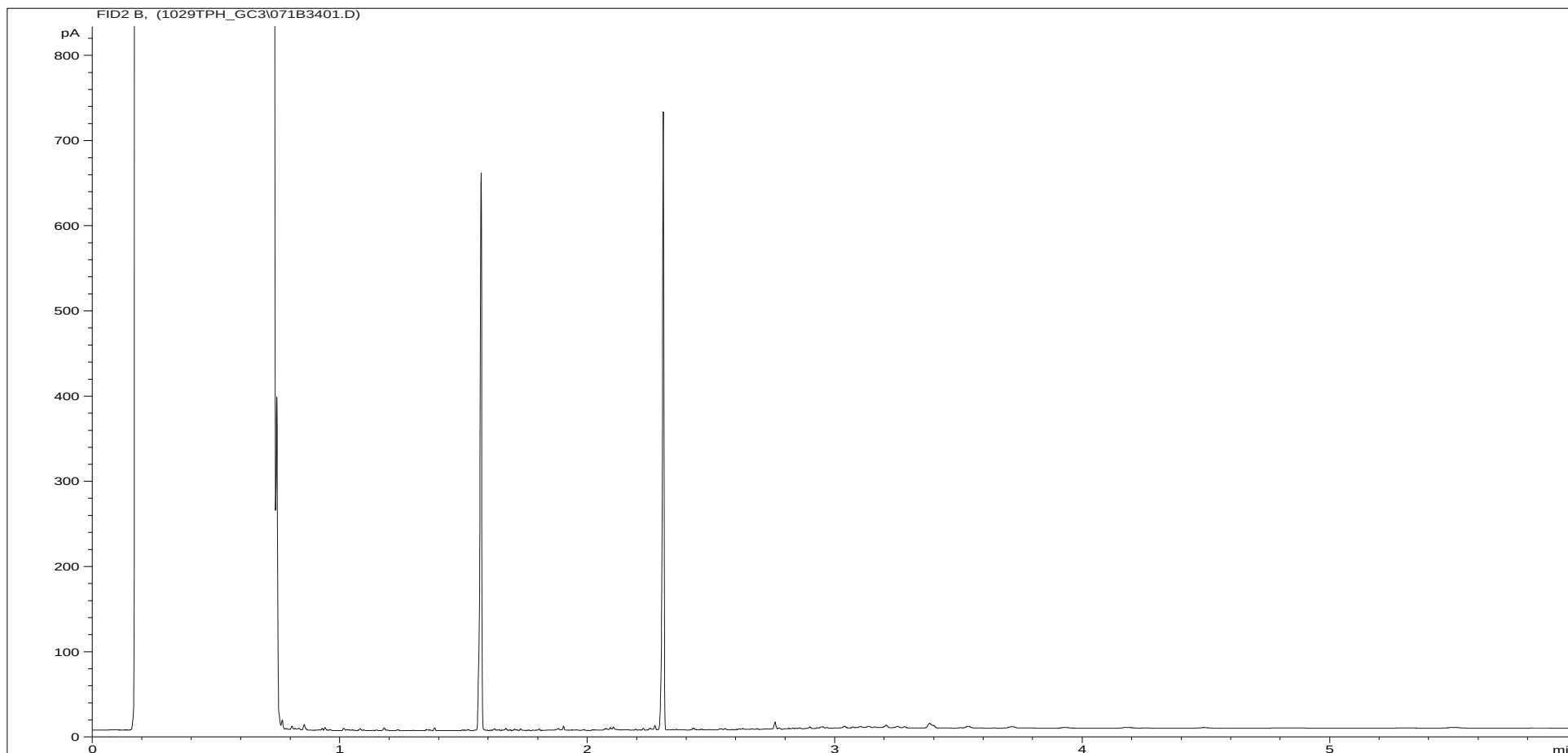
Sample ID:	CL1032113ARO	Job Number:	S10_7295M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP108 ES 2 0.30
Acquisition Date/Time:	29-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\070B3301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032114ALI	Job Number:	S10_7295M
Multiplier:	16.38	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP111 ES 2 0.30
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\031B5601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032114ARO

Multiplier: 12.18

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\071B3401.D

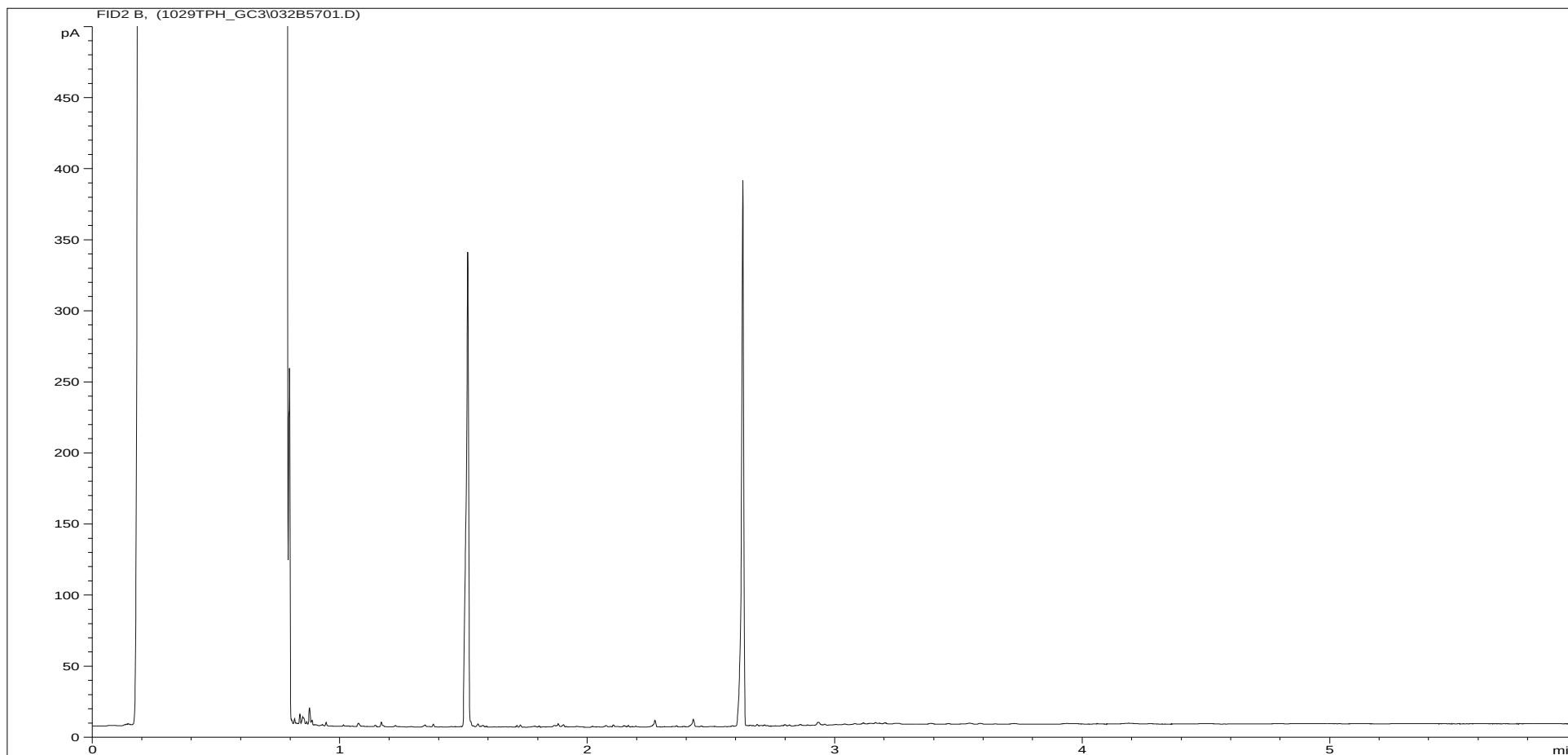
Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

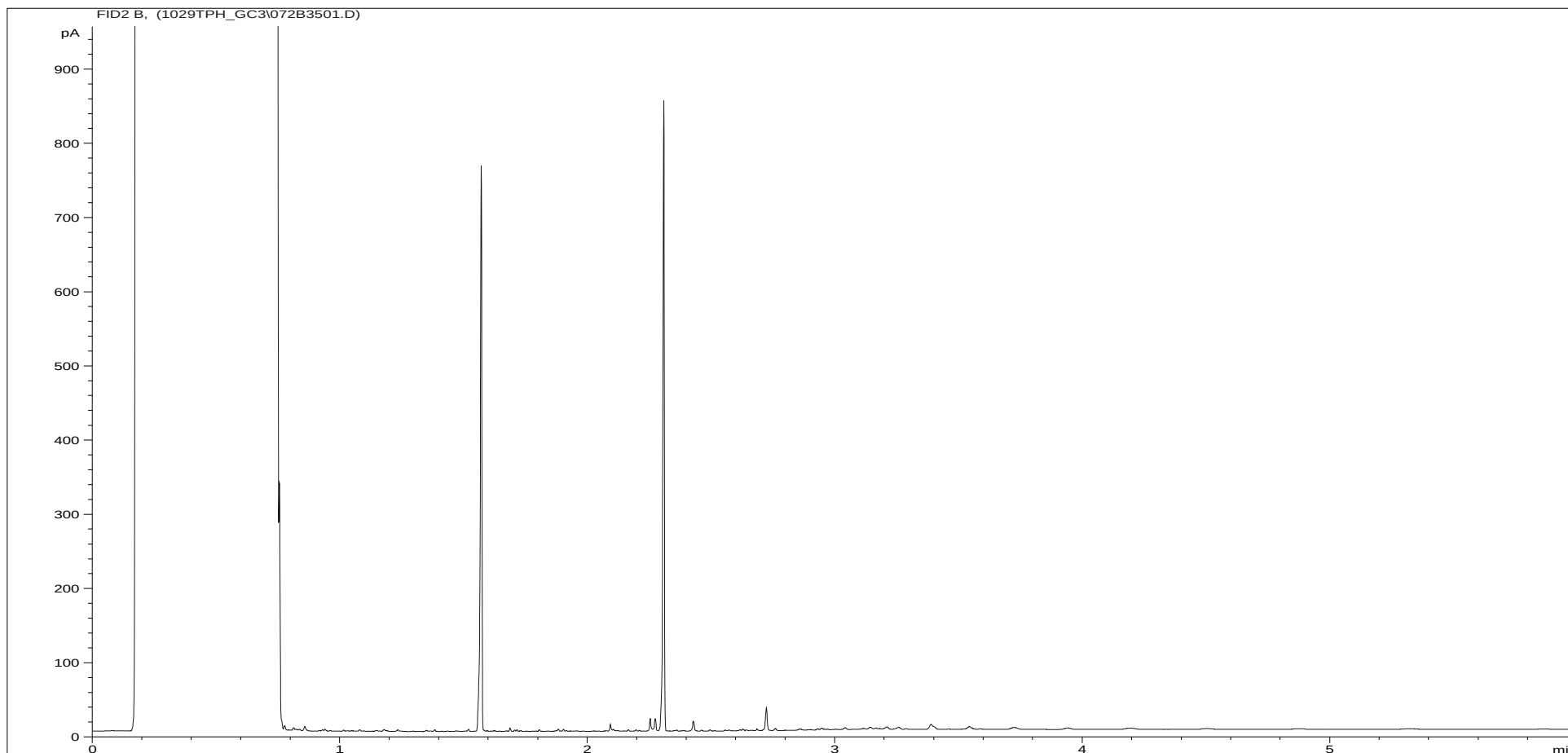
Client Sample Ref: TP111 ES 2 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032116ALI	Job Number:	S10_7295M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_RUNF.M	Client Sample Ref:	TP111 ES 11 1.00
Acquisition Date/Time:	30-Oct-10		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC3\032B5701.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032116ARO

Multiplier: 11.02

Dilution: 1

Acquisition Method: 5UL_RUNF.M

Acquisition Date/Time: 29-Oct-10

Datafile: D:\TES\DATA\Y2010\1029TPH_GC3\072B3501.D

Job Number: S10_7295M

Client: Soil Mechanics

Site: Ferrybridge Multifuel PowerStn

Client Sample Ref: TP111 ES 11 1.00

WASTE ACCEPTANCE CRITERIA TESTING

BSEN 12457/3

Client	Soil Mechanics				Leaching Data	
					Weight of sample (kg)	0.225
Contact	Mr J Huntington				Moisture content @ 105°C (%)	7.3
					Equivalent Weight based on drying at 105°C (kg)	0.209
Site	Ferrybridge Multifuel PowerStn				Volume of water required to carry out 2:1 stage (litres)	0.403
					Weight of Sieved Soil to carry out 2:1 stage (kg)	0.242
Sample Description		Report No	Sample No	Issue Date	Weight of Deionised water to carry out 2:1 stage (kg)	0.433
TP103 ES 10 1.70		s10_7295	CL/1032103	02-Nov-10	Volume to undertake analysis (2:1 Stage) (litres)	0.300
					Weight of Deionised water to carry out 8:1 stage (kg)	1.556

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
	WSLM59	Total Organic Carbon (% M/M)		3	5	6
	LOI450	Loss on Ignition (%)				10
	BTEXHSA	Sum of BTEX (mg/kg)		6		
	PCBUSECD	Sum of 7 Congener PCB's (mg/kg)		1		
	TPHFIDUS	Mineral Oil (mg/kg)		500		
	PAHMSUS	PAH Sum of 17 (mg/kg)		100		
	PHSOIL	pH (pH units)			>6	
	ANC	Acid Neutralisation Capacity (mol/kg) @pH 7			To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	2:1 Leachate	8:1 Leachate	Calculated amount leached @ 2:1	Calculated cumulative amount leached @ 10:1	Landfill Waste Acceptance Criteria Limit Values for BSEN 12457/3 @ L/S 10 litre kg-1 mg/kg (dry weight)		
			mg/l except °°		mg/kg (dry weight)				
U	WSLM3	pH (pH units) °°	7.8	8.5	Calculated data not UKAS Accredited				
U	WSLM2	Conductivity (µs/cm) °°	173	121					
1	ICPMSW	Arsenic	<0.001	<0.001	<0.002	<0.01	0.5	2	25
N	ICPWATVAR	Barium	0.25	0.3	0.5	2.9	20	100	300
N	ICPMSW	Cadmium	<0.0001	<0.0001	<0.0002	<0.001	0.04	1	5
N	ICPMSW	Chromium	0.003	0.002	0.006	0.02	0.5	10	70
N	ICPMSW	Copper	0.002	0.004	0.004	0.04	2	50	100
N	ICPMSW	Mercury	<0.0001	<0.0001	<0.0002	<0.001	0.01	0.2	2
N	ICPMSW	Molybdenum	0.002	0.002	0.004	0.02	0.5	10	30
N	ICPMSW	Nickel	<0.001	<0.001	<0.002	<0.01	0.4	10	40
N	ICPMSW	Lead	<0.001	0.002	<0.002	<0.02	0.5	10	50
N	ICPMSW	Antimony	0.001	<0.001	0.002	<0.01	0.06	0.7	5
N	ICPMSW	Selenium	<0.001	<0.001	<0.002	<0.01	0.1	0.5	7
N	ICPMSW	Zinc	0.097	0.05	0.194	0.57	4	50	200
N	KONENS	Chloride	4	1	8	14	800	15000	25000
N	ISEF	Fluoride	0.6	0.5	1.2	5	10	150	500
N	ICPWATVAR	Sulphate as SO4	39	8	78	124	1000	20000	50000
N	WSLM27	Total Dissolved Solids	222	94	444	1124	4000	60000	100000
N	SFAPI	Phenol Index	<0.05	<0.05	<0.1	<0.5	1		
N	WSLM13	Dissolved Organic Carbon	7.1	5.9	14.2	61	500	800	1000

Template Ver. 1

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING

BSEN 12457/3

Client	Soil Mechanics				Leaching Data	
					Weight of sample (kg)	0.225
Contact	Mr J Huntington				Moisture content @ 105°C (%)	13.8
					Equivalent Weight based on drying at 105°C (kg)	0.194
Site	Ferrybridge Multifuel PowerStn				Volume of water required to carry out 2:1 stage (litres)	0.356
					Weight of Sieved Soil to carry out 2:1 stage (kg)	0.262
Sample Description		Report No	Sample No	Issue Date	Weight of Deionised water to carry out 2:1 stage (kg)	0.413
TP106 ES 8 1.40		s10_7295	CL/1032112	02-Nov-10	Volume to undertake analysis (2:1 Stage) (litres)	0.300
					Weight of Deionised water to carry out 8:1 stage (kg)	1.461

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
	WSLM59	Total Organic Carbon (% M/M)		3	5	6
	LOI450	Loss on Ignition (%)				10
	BTEXHSA	Sum of BTEX (mg/kg)		6		
	PCBUSECD	Sum of 7 Congener PCB's (mg/kg)		1		
	TPHFIDUS	Mineral Oil (mg/kg)		500		
	PAHMSUS	PAH Sum of 17 (mg/kg)		100		
	PHSOIL	pH (pH units)			>6	
	ANC	Acid Neutralisation Capacity (mol/kg) @pH 7			To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	2:1 Leachate	8:1 Leachate	Calculated amount leached @ 2:1	Calculated cumulative amount leached @ 10:1	Landfill Waste Acceptance Criteria Limit Values for BSEN 12457/3 @ L/S 10 litre kg-1 mg/kg (dry weight)		
			mg/l except °°		mg/kg (dry weight)				
U	WSLM3	pH (pH units) °°	7.9	8.7	Calculated data not UKAS Accredited				
U	WSLM2	Conductivity (µs/cm) °°	355	129					
1	ICPMSW	Arsenic	<0.001	<0.001	<0.002	<0.01	0.5	2	25
N	ICPWATVAR	Barium	0.3	0.32	0.6	3.2	20	100	300
N	ICPMSW	Cadmium	<0.0001	<0.0001	<0.0002	<0.001	0.04	1	5
N	ICPMSW	Chromium	0.002	0.001	0.004	0.01	0.5	10	70
N	ICPMSW	Copper	0.002	0.003	0.004	0.03	2	50	100
N	ICPMSW	Mercury	<0.0001	<0.0001	<0.0002	<0.001	0.01	0.2	2
N	ICPMSW	Molybdenum	<0.001	<0.001	<0.002	<0.01	0.5	10	30
N	ICPMSW	Nickel	<0.001	<0.001	<0.002	<0.01	0.4	10	40
N	ICPMSW	Lead	<0.001	0.001	<0.002	<0.01	0.5	10	50
N	ICPMSW	Antimony	<0.001	<0.001	<0.002	<0.01	0.06	0.7	5
N	ICPMSW	Selenium	<0.001	<0.001	<0.002	<0.01	0.1	0.5	7
N	ICPMSW	Zinc	0.149	0.053	0.298	0.68	4	50	200
N	KONENS	Chloride	2	<1	4	<12	800	15000	25000
N	ISEF	Fluoride	0.5	0.6	1	6	10	150	500
N	ICPWATVAR	Sulphate as SO4	133	19	266	367	1000	20000	50000
N	WSLM27	Total Dissolved Solids	455	101	910	1559	4000	60000	100000
N	SFAPI	Phenol Index	<0.05	<0.05	<0.1	<0.5	1		
N	WSLM13	Dissolved Organic Carbon	6.8	5.1	13.6	54	500	800	1000

Template Ver. 1

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING

BSEN 12457/3

Client	Soil Mechanics				Leaching Data	
					Weight of sample (kg)	0.225
Contact	Mr J Huntington				Moisture content @ 105°C (%)	15.2
					Equivalent Weight based on drying at 105°C (kg)	0.191
Site	Ferrybridge Multifuel PowerStn				Volume of water required to carry out 2:1 stage (litres)	0.349
					Weight of Sieved Soil to carry out 2:1 stage (kg)	0.265
Sample Description		Report No	Sample No	Issue Date	Weight of Deionised water to carry out 2:1 stage (kg)	0.410
TP111 ES 4 0.50		s10_7295	CL/1032115	02-Nov-10	Volume to undertake analysis (2:1 Stage) (litres)	0.300
					Weight of Deionised water to carry out 8:1 stage (kg)	1.448

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
	WSLM59	Total Organic Carbon (% M/M)		3	5	6
	LOI450	Loss on Ignition (%)				10
	BTEXHSA	Sum of BTEX (mg/kg)		6		
	PCBUSECD	Sum of 7 Congener PCB's (mg/kg)		1		
	TPHFIDUS	Mineral Oil (mg/kg)		500		
	PAHMSUS	PAH Sum of 17 (mg/kg)		100		
	PHSOIL	pH (pH units)			>6	
	ANC	Acid Neutralisation Capacity (mol/kg) @pH 7			To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	2:1 Leachate	8:1 Leachate	Calculated amount leached @ 2:1	Calculated cumulative amount leached @ 10:1	Landfill Waste Acceptance Criteria Limit Values for BSEN 12457/3 @ L/S 10 litre kg-1 mg/kg (dry weight)		
			mg/l except °°		mg/kg (dry weight)				
U	WSLM3	pH (pH units) °°	8.8	8.7	Calculated data not UKAS Accredited				
U	WSLM2	Conductivity (µs/cm) °°	210	131					
1	ICPMSW	Arsenic	0.008	0.005	0.016	0.05	0.5	2	25
N	ICPWATVAR	Barium	0.21	0.59	0.42	5.3	20	100	300
N	ICPMSW	Cadmium	0.0002	<0.0001	0.0004	<0.001	0.04	1	5
N	ICPMSW	Chromium	0.011	0.005	0.022	0.06	0.5	10	70
N	ICPMSW	Copper	0.116	0.05	0.232	0.6	2	50	100
N	ICPMSW	Mercury	0.0081	0.0016	0.0162	0.026	0.01	0.2	2
N	ICPMSW	Molybdenum	0.123	0.019	0.246	0.35	0.5	10	30
N	ICPMSW	Nickel	0.018	0.007	0.036	0.09	0.4	10	40
N	ICPMSW	Lead	0.019	0.003	0.038	0.06	0.5	10	50
N	ICPMSW	Antimony	0.077	0.051	0.154	0.55	0.06	0.7	5
N	ICPMSW	Selenium	0.002	0.001	0.004	0.01	0.1	0.5	7
N	ICPMSW	Zinc	0.13	0.101	0.26	1.06	4	50	200
N	KONENS	Chloride	16	3	32	50	800	15000	25000
N	ISEF	Fluoride	1	1.2	2	12	10	150	500
N	ICPWATVAR	Sulphate as SO4	43	22	86	253	1000	20000	50000
N	WSLM27	Total Dissolved Solids	269	103	538	1290	4000	60000	100000
N	SFAPI	Phenol Index	<0.05	<0.05	<0.1	<0.5	1		
N	WSLM13	Dissolved Organic Carbon	25	17	50	183	500	800	1000

Template Ver. 1

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	GROHSA	As Received	Determination of Total Gasoline Range Organics Hydrocarbons (GRO) by Headspace GCFID
Soil	ICPBOR	Air Dried	Determination of Boron in soil samples by hot water extraction followed by ICPOES detection
Soil	ICPMSS	Air Dried	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	PAHMSUS	As Received	Determination of Polycyclic Aromatic Hydrocarbons (PAH) by hexane/acetone extraction followed by GCMS detection
Soil	PCBUSECD	Air Dried	Determination of Polychlorinated Biphenyl (PCB) congeners/arocloris by hexane/acetone extraction followed by GCECD detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SSL	Air Dried	Acid Dichromate oxidation of the sample followed by colorimetric analysis of the extract
Soil	Subcon*	*	Contact Laboratory for details of the methodology used by the sub-contractor.
Soil	TMSS	As Received	Determination of the Total Moisture content at 105°C by loss on oven drying gravimetric analysis
Soil	TPHUSSI	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection including quantitation of Aromatic and Aliphatic fractions.

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on an air dried basis
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile

CR Denotes Crocidolite

AM Denotes Amosite

NAIIS No Asbestos Identified in Sample

Symbol Reference

[^] Sub-contracted analysis. Note: The accreditation status is that assigned by the subcontract laboratory.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

Req Analysis requested, see attached sheets for results

▯ Raised detection limit due to nature of the sample

***** All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

END OF REPORT

Sample Descriptions

Client : Soil Mechanics
Site : Ferrybridge Multifuel PowerStn
Report Number : S10_7295M

Note: major constituent in upper case

[illegible]

TEST REPORT

SOIL SAMPLE ANALYSIS



Report No. EFS/107296M (Ver. 1)

Soil Mechanics
Askern Road
Carcroft
Doncaster
DN6 8DG

Site: Ferrybridge Multifuel PowerStn

The 18 samples described in this report were logged for analysis by Scientifics on 25-Oct-2010.
The analysis was completed by: 03-Nov-2010

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS or MCERTS accredited
Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by Scientifics.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of PAH (MS-SIM) (80) Results (Pages 4 to 16)
Table of PCB Congener Results (Page 17)
Table of GRO Results (Page 18)
Table of TPH (Si) banding (std) (Page 19)
GC-FID Chromatograms (Pages 20 to 47)
Table of WAC Analysis Results (Pages 48 to 51)
Table of Asbestos Screening Results (Page 52)
Table of Method Descriptions (Page 53)
Table of Report Notes (Page 54)
Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of
Scientifics :
Andrew Timms

Operations Manager

Date of Issue: 04-Nov-2010

Accreditation Codes: **N** (Not Accredited), **U** (UKAS), **UM** (UKAS & MCERTS)

Tests marked '*' have been subcontracted to another laboratory.

(NVM) - denotes the sample matrix is dissimilar to matrices upon which the MCERTS validation was based,
and is therefore not accredited for MCERTS.

All results are reported on a dry weight basis at 105°C unless otherwise stated. (except QC samples)
Scientifics accepts no responsibility for any sampling not carried out by our personnel.

Units : Method Codes : Method Reporting Limits : Accreditation Code:		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	pH Units	mg/kg	mg/kg		
		ICPBOR	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	PAHMSUS	PHSOIL	SFAPI	SFAPI	Sub02a	
		0.5	0.3	0.2	1.2	1.6	0.7	0.5	2	0.5	0.6	16	0.08		0.5	0.5		
		UM	UM	UM	UM	UM	UM	UM	UM	UM	U	UM		UM	UM	U	U	
Laboratory ID Number	Client Sample Description	Boron (H2O Soluble)	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Vanadium (MS)	Zinc (MS)	PAH by MS,16(0.08)	pH units (AR)	Cyanide(Free) (AR)	Phenol Index (AR)	Asbestos Screen	
1032117	TP201 ES 1 0.10	1.6	19	0.54	23.6	40.9	66.1	<0.5	22.4	0.9		104.2	Req	8.2	<0.6	<0.6	NAIIS	
1032118	TP201 ES 3 0.60 (NVM)	1.0‡	9.0‡	1.1‡	15.5‡	29‡	65.6‡	<0.51‡	19.6‡	0.6‡	20.5	91.1‡	Req	8.3	<0.6‡		NAIIS	
1032119	TP201 ES 5 1.00																	
1032120	TP201 ES 11 3.00	<0.4	0.6	0.54	1.9	1.9	13.6	<0.4	2.9	<0.4		40.9	Req	9.0	<0.6			
1032121	TP202 ES 1 0.10	0.7	7.9	<0.20	17.4	26.4	16.4	<0.5	20	<0.5		39	Req	8.8	<0.6		NAIIS	
1032122	TP202 ES 7 0.75	0.6	4.3	0.2	11.2	12.9	15	<0.4	16.6	<0.4		41.7	Req	8.4	<0.6			
1032123	TP203 ES 1 0.10	1.1	12.2	0.5	18.7	32.7	43.9	<0.51	17.4	0.6	18	106.3	Req	8.3	<0.6	<0.6	NAIIS	
1032124	TP203 ES 4 0.30	0.5	3.7	0.66	7.7	9.1	15.4	<0.5	7.3	<0.5		51.2	Req	9.0	<0.6		NAIIS	
1032125	TP204 ES 1 0.20	1.1	15.9	0.52	19.4	31.2	55.5	<0.56	23.9	1	24	90.1	Req	8.6	<0.6		NAIIS	
1032126	TP204 ES 4 0.60																	
1032127	TP204 ES 7 1.60	0.6	6	0.4	11.4	11.9	17.1	<0.5	16.2	<0.5		50.8	Req	8.4	<0.6	<0.6	NAIIS	
1032128	TP204 ES 10 2.60	0.8	11.1	0.3	38.4	33.1	25.4	<0.5	49.2	0.9		92.7	Req	8.3	<0.6			
1032129	TP205 ES 3 0.50	<0.5	5.6	0.26	13.5	14.3	54.9	<0.53	13.4	0.5		63.6	Req	9.2	<0.6			
1032130	TP205 ES 6 1.00																	
1032131	TP205 ES 9 2.41	<0.5	7.1	0.39	16.1	14	16.2	<0.5	28.1	0.5		68.2	Req	8.7	<0.6			
1032132	TP206 ES 1 0.10	0.9	14.3	0.44	16	31.4	50.9	<0.51	17.9	0.9	20	87.5	Req	8.4	<0.6		NAIIS	
1032133	TP206 ES 3 0.60	<0.5	8.1	0.35	17	26.8	44.7	<0.5	15.7	<0.5		67.4	Req	9.9	<0.6	<0.6	NAIIS	
scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422		Client Name		Soil Mechanics							Soils Sample Analysis							
		Contact		Mr J Huntington														
		Ferrybridge Multifuel PowerStn											Date Printed		04-Nov-10			
													Report Number		EFS/107296M			
													Table Number		1			

Units : Method Codes : Method Reporting Limits : Accreditation Code:		%	mg/kg	mg/kg	ug/kg	%										
		TMSS	TPHUSSI	GROHSA	PCBUSECD	SSL										
		0.2	10.0	0.1	5	0.1										
		U				N										
Laboratory ID Number	CU/	Client Sample Description	Tot.Moisture @ 105C	TPH by GCFD (AR/SI)	GRO (AA)	PCB (7 Congeners)	Organic Matter %									
1032117		TP201 ES 1 0.10	18.1	Req	Req	Req										
1032118		TP201 ES 3 0.60 (NVM)	10.0	Req	Req		2.43									
1032119		TP201 ES 5 1.00	19.4													
1032120		TP201 ES 11 3.00	10.5	Req	Req											
1032121		TP202 ES 1 0.10	13.6	Req	Req		0.86									
1032122		TP202 ES 7 0.75	9.4	Req	Req											
1032123		TP203 ES 1 0.10	16.5	Req	Req	Req	3.23									
1032124		TP203 ES 4 0.30	10.2	Req	Req											
1032125		TP204 ES 1 0.20	11.4	Req	Req		2.81									
1032126		TP204 ES 4 0.60	10.7													
1032127		TP204 ES 7 1.60	12.5	Req	Req											
1032128		TP204 ES 10 2.60	20.6	Req	Req		0.78									
1032129		TP205 ES 3 0.50	13.3	Req	Req											
1032130		TP205 ES 6 1.00	9.6													
1032131		TP205 ES 9 2.41	9.1	Req	Req											
1032132		TP206 ES 1 0.10	19.3	Req	Req	Req										
1032133		TP206 ES 3 0.60	17.6	Req	Req											
1032134		TP206 ES 10 2.00	11.0													
 scientifics Bretby Business Park, Ashby Road Burton-on-Trent, Staffordshire, DE15 0YZ Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422			Client Name	Soil Mechanics						Soils Sample Analysis						
			Contact	Mr J Huntington												
			Ferrybridge Multifuel PowerStn								Date Printed	04-Nov-10				
											Report Number	EFS/107296M				
											Table Number	1				

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP201 ES 1 0.10	Job Number:	S10_7296M
LIMS ID Number:	CL1032117	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.11	97	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	6.05	0.18	100	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	7.47	0.40	98	UM
Pyrene	129-00-0	7.77	0.33	97	UM
Benzo[a]anthracene	56-55-3	9.50	0.20	93	UM
Chrysene	218-01-9	9.55	0.23	96	UM
Benzo[b]fluoranthene	205-99-2	11.05	0.38	98	UM
Benzo[k]fluoranthene	207-08-9	11.09	0.13	97	UM
Benzo[a]pyrene	50-32-8	11.49	0.27	99	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.21	95	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.22	98	UM
Total (USEPA16) PAHs	-	-	< 3.16	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	108
Acenaphthene-d10	103
Phenanthrene-d10	105
Chrysene-d12	102
Perylene-d12	100

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	91
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn	Job Number:	S10_7296M
Sample Details:	TP201 ES 3 0.60 (NVM)	Date Booked in:	25-Oct-10
LIMS ID Number:	CL1032118	Date Extracted:	28-Oct-10
QC Batch Number:	2272	Date Analysed:	29-Oct-10
Quantitation File:	Initial Calibration	Matrix:	Soil
Directory:	1028PAH.MS5\	Ext Method:	Ultrasonic
Dilution:	1.0		

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.10	96	U
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	U
Fluorene	86-73-7	-	< 0.09	-	U
Phenanthrene	85-01-8	-	< 0.09	-	U
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	U
Pyrene	129-00-0	-	< 0.09	-	U
Benzo[a]anthracene	56-55-3	-	< 0.09	-	U
Chrysene	218-01-9	-	< 0.09	-	U
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	U
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	U
Benzo[a]pyrene	50-32-8	-	< 0.09	-	U
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	U
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	U
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	U
Total (USEPA16) PAHs	-	-	< 1.43	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	112
Acenaphthene-d10	106
Phenanthrene-d10	109
Chrysene-d12	111
Perylene-d12	113

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	90
Terphenyl-d14	92

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP201 ES 11 3.00	Job Number:	S10_7296M
LIMS ID Number:	CL1032120	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.43	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	114
Acenaphthene-d10	109
Phenanthrene-d10	110
Chrysene-d12	107
Perylene-d12	104

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	87
Terphenyl-d14	90

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP202 ES 1 0.10	Job Number:	S10_7296M
LIMS ID Number:	CL1032121	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.48	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	108
Acenaphthene-d10	103
Phenanthrene-d10	104
Chrysene-d12	101
Perylene-d12	96

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	90
Terphenyl-d14	92

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP202 ES 7 0.75	Job Number:	s10_7296M
LIMS ID Number:	CL1032122	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.47	0.10	97	UM
Pyrene	129-00-0	7.77	0.10	97	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.45	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	106
Acenaphthene-d10	101
Phenanthrene-d10	98
Chrysene-d12	92
Perylene-d12	87

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	95
Terphenyl-d14	97

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP203 ES 1 0.10	Job Number:	s10_7296M
LIMS ID Number:	CL1032123	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.13	95	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	6.05	0.23	99	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	7.47	0.35	98	UM
Pyrene	129-00-0	7.77	0.30	98	UM
Benzo[a]anthracene	56-55-3	9.50	0.22	95	UM
Chrysene	218-01-9	9.55	0.20	98	UM
Benzo[b]fluoranthene	205-99-2	11.06	0.30	97	UM
Benzo[k]fluoranthene	207-08-9	11.09	0.10	96	UM
Benzo[a]pyrene	50-32-8	11.49	0.20	99	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.14	98	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.16	97	UM
Total (USEPA16) PAHs	-	-	< 2.80	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	106
Acenaphthene-d10	100
Phenanthrene-d10	97
Chrysene-d12	93
Perylene-d12	90

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP203 ES 4 0.30	Job Number:	S10_7296M
LIMS ID Number:	CL1032124	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.43	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	107
Acenaphthene-d10	101
Phenanthrene-d10	99
Chrysene-d12	95
Perylene-d12	92

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	96

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP204 ES 1 0.20	Job Number:	S10_7296M
LIMS ID Number:	CL1032125	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	6.05	0.15	100	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.47	0.21	99	UM
Pyrene	129-00-0	7.77	0.18	96	UM
Benzo[a]anthracene	56-55-3	9.50	0.15	98	UM
Chrysene	218-01-9	9.55	0.12	97	UM
Benzo[b]fluoranthene	205-99-2	11.06	0.18	95	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	11.49	0.14	100	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.09	98	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.10	92	UM
Total (USEPA16) PAHs	-	-	< 1.95	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	109
Acenaphthene-d10	103
Phenanthrene-d10	103
Chrysene-d12	100
Perylene-d12	95

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	92
Terphenyl-d14	96

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP204 ES 7 1.60	Job Number:	S10_7296M
LIMS ID Number:	CL1032127	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.09	-	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	-	< 0.09	-	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	-	< 0.09	-	UM
Pyrene	129-00-0	-	< 0.09	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.09	-	UM
Chrysene	218-01-9	-	< 0.09	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.09	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.09	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.09	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.09	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.09	-	UM
Total (USEPA16) PAHs	-	-	< 1.46	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	108
Acenaphthene-d10	102
Phenanthrene-d10	102
Chrysene-d12	98
Perylene-d12	90

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	91
Terphenyl-d14	95

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP204 ES 10 2.60	Job Number:	S10_7296M
LIMS ID Number:	CL1032128	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	-	< 0.10	-	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	-	< 0.10	-	UM
Pyrene	129-00-0	-	< 0.10	-	UM
Benzo[a]anthracene	56-55-3	-	< 0.10	-	UM
Chrysene	218-01-9	-	< 0.10	-	UM
Benzo[b]fluoranthene	205-99-2	-	< 0.10	-	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	-	< 0.10	-	UM
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.10	-	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	-	< 0.10	-	UM
Total (USEPA16) PAHs	-	-	< 1.61	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	108
Acenaphthene-d10	102
Phenanthrene-d10	101
Chrysene-d12	96
Perylene-d12	86

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	98

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP205 ES 3 0.50	Job Number:	S10_7296M
LIMS ID Number:	CL1032129	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.09	98	UM
Acenaphthylene	208-96-8	-	< 0.09	-	U
Acenaphthene	83-32-9	-	< 0.09	-	UM
Fluorene	86-73-7	-	< 0.09	-	UM
Phenanthrene	85-01-8	6.05	0.28	98	UM
Anthracene	120-12-7	-	< 0.09	-	U
Fluoranthene	206-44-0	7.47	0.73	99	UM
Pyrene	129-00-0	7.77	0.74	97	UM
Benzo[a]anthracene	56-55-3	9.50	0.40	97	UM
Chrysene	218-01-9	9.55	0.40	97	UM
Benzo[b]fluoranthene	205-99-2	11.05	0.67	97	UM
Benzo[k]fluoranthene	207-08-9	11.09	0.22	96	UM
Benzo[a]pyrene	50-32-8	11.49	0.50	99	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.33	96	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.09	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.30	98	UM
Total (USEPA16) PAHs	-	-	< 5.17	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	100
Acenaphthene-d10	93
Phenanthrene-d10	91
Chrysene-d12	87
Perylene-d12	83

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	91
Terphenyl-d14	91

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP206 ES 1 0.10	Job Number:	S10_7296M
LIMS ID Number:	CL1032132	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	-	< 0.10	-	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	6.05	0.16	100	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	7.47	0.20	99	UM
Pyrene	129-00-0	7.77	0.22	97	UM
Benzo[a]anthracene	56-55-3	9.50	0.16	94	UM
Chrysene	218-01-9	9.55	0.15	99	UM
Benzo[b]fluoranthene	205-99-2	11.06	0.24	95	UM
Benzo[k]fluoranthene	207-08-9	-	< 0.10	-	UM
Benzo[a]pyrene	50-32-8	11.49	0.15	98	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.10	99	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	13.28	0.10	99	UM
Total (USEPA16) PAHs	-	-	< 2.24	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	98
Acenaphthene-d10	91
Phenanthrene-d10	83
Chrysene-d12	71
Perylene-d12	65

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	97
Terphenyl-d14	94

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polycyclic Aromatic Hydrocarbons GC/MS (SIM)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn		
Sample Details:	TP206 ES 3 0.60	Job Number:	S10_7296M
LIMS ID Number:	CL1032133	Date Booked in:	25-Oct-10
QC Batch Number:	2272	Date Extracted:	28-Oct-10
Quantitation File:	Initial Calibration	Date Analysed:	29-Oct-10
Directory:	1028PAH.MS5\	Matrix:	Soil
Dilution:	1.0	Ext Method:	Ultrasonic

Accredited?: Yes

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Naphthalene	91-20-3	3.53	0.10	98	UM
Acenaphthylene	208-96-8	-	< 0.10	-	U
Acenaphthene	83-32-9	-	< 0.10	-	UM
Fluorene	86-73-7	-	< 0.10	-	UM
Phenanthrene	85-01-8	6.05	0.21	99	UM
Anthracene	120-12-7	-	< 0.10	-	U
Fluoranthene	206-44-0	7.47	0.39	99	UM
Pyrene	129-00-0	7.77	0.40	98	UM
Benzo[a]anthracene	56-55-3	9.50	0.22	96	UM
Chrysene	218-01-9	9.55	0.21	98	UM
Benzo[b]fluoranthene	205-99-2	11.06	0.28	94	UM
Benzo[k]fluoranthene	207-08-9	11.09	0.10	93	UM
Benzo[a]pyrene	50-32-8	11.49	0.19	98	UM
Indeno[1,2,3-cd]pyrene	193-39-5	12.92	0.10	100	UM
Dibenzo[a,h]anthracene	53-70-3	-	< 0.10	-	UM
Benzo[g,h,i]perylene	191-24-2	13.27	0.13	99	UM
Total (USEPA16) PAHs	-	-	< 2.83	-	N

"M" denotes that % fit has been manually interpreted

Internal Standards	% Area
1,4-Dichlorobenzene-d4	NA
Naphthalene-d8	103
Acenaphthene-d10	98
Phenanthrene-d10	96
Chrysene-d12	89
Perylene-d12	83

Surrogates	% Rec
Nitrobenzene-d5	NA
2-Fluorobiphenyl	93
Terphenyl-d14	94

Concentrations are reported on a dry weight basis.

The Total PAH result is the sum of non-rounded individual PAH results and therefore may differ to the sum of the rounded individual PAH results printed above. By convention, where any one or more result is a "less than", the total is expressed as a "less than" and includes the "less than" concentration within the total.

Polychlorinated Biphenyls (congeners)

Customer and Site Details:	Soil Mechanics: Ferrybridge Multifuel PowerStn
Job Number:	S10_7296M
QC Batch Number:	102275
Directory:	1101PCB.GC7
Method:	Ultrasonic
Accreditation code:	N

Matrix:	SOIL
Date Booked in:	25-Oct-10
Date Extracted:	28-Oct-10
Date Analysed:	01-Nov-10

[illegible]

Gasoline Range Organics

(BTEX and Aliphatic Carbon Ranges)

Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7296
Directory: D:\TES\DATA\Y2010\1029HSA_GC12\102910 2010-10-29 07-54-33\050F5001.D
Method: Headspace GCFID
Accreditation Code: N

Matrix: Soil
Date Booked in: 25-Oct-10
Date extracted: 29-Oct-10
Date Analysed: 29-Oct-10, 23:20

Sample ID	Client ID	Concentration, (mg/kg) - as dry weight.					Aliphatics				
		Benzene	Toluene	Ethyl benzene	m/p-Xylene	o-Xylene	C5 - C6	>C6 - C7	>C7 - C8	>C8 - C10	Total GRO
* CL1032117	TP201 ES 1 0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032118	TP201 ES 3 0.60 (NVM)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032120	TP201 ES 11 3.00	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032121	TP202 ES 1 0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032122	TP202 ES 7 0.75	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032123	TP203 ES 1 0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032124	TP203 ES 4 0.30	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032125	TP204 ES 1 0.20	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032127	TP204 ES 7 1.60	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032128	TP204 ES 10 2.60	<0.01	<0.01	<0.01	<0.01	<0.01	<0.3	<0.3	<0.3	<0.3	<0.3
* CL1032129	TP205 ES 3 0.50	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032131	TP205 ES 9 2.41	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032132	TP206 ES 1 0.10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2
* CL1032133	TP206 ES 3 0.60	<0.01	<0.01	<0.01	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2

Note: Benzene elutes between C6 and C7, toluene elutes between C7 and C8, ethyl benzene and the xylenes elute between C8 and C9.

Xylenes have been deducted from the C8-C10 band to give the aliphatic fraction, however aromatic compounds may still be contributing to this fraction.

ALIPHATIC / AROMATIC FRACTION BY GC/FID

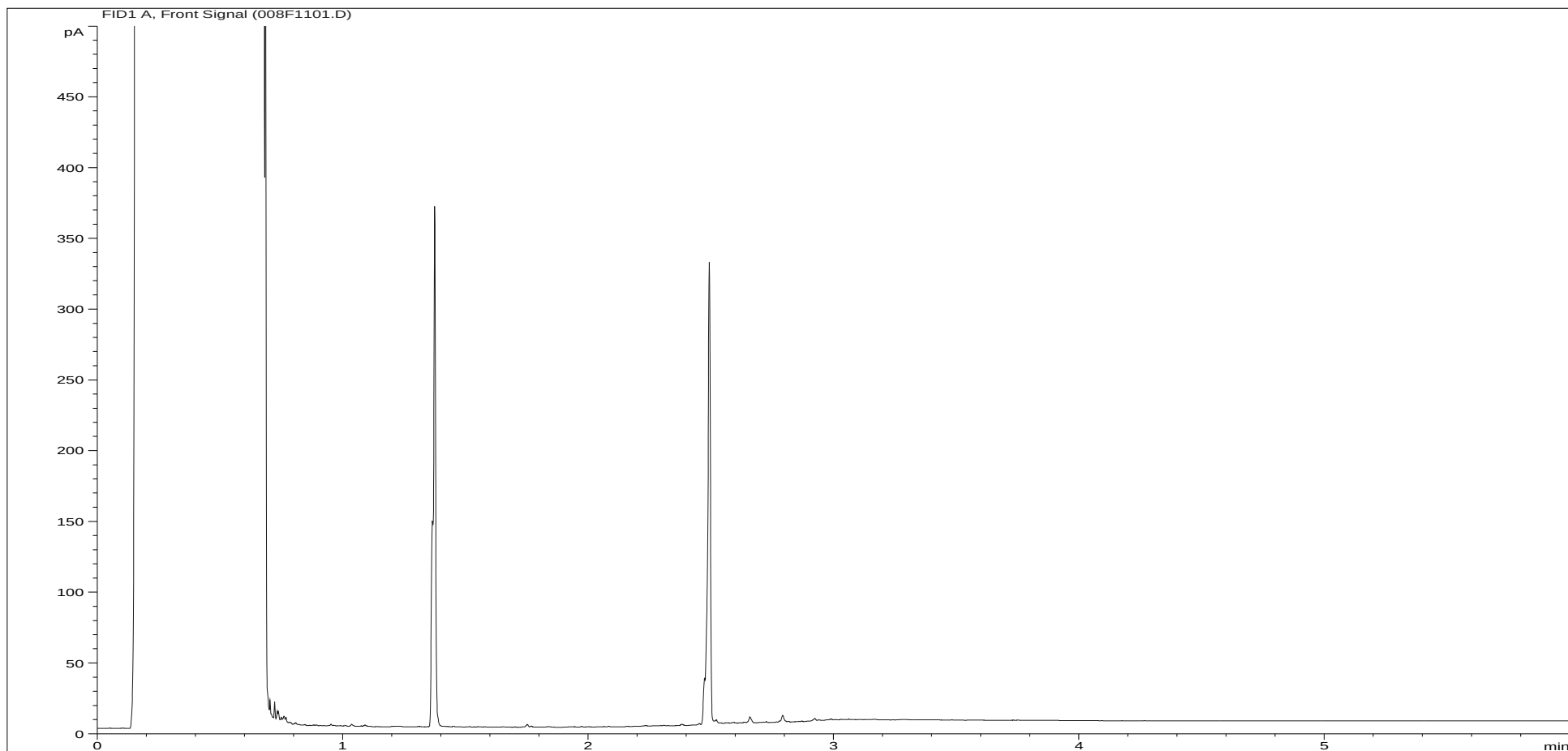
Customer and Site Details: Soil Mechanics : Ferrybridge Multifuel PowerStn
Job Number: S10_7296
QC Batch Number: 102277
Directory: D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\070B2801.D
Method: Ultra Sonic

Separation: Silica gel
Eluents: Hexane, DCM

Matrix: Soil
Date Booked in: 25-Oct-10
Date Extracted: 28-Oct-10
Date Analysed: 29-Oct-10, 15:01:42

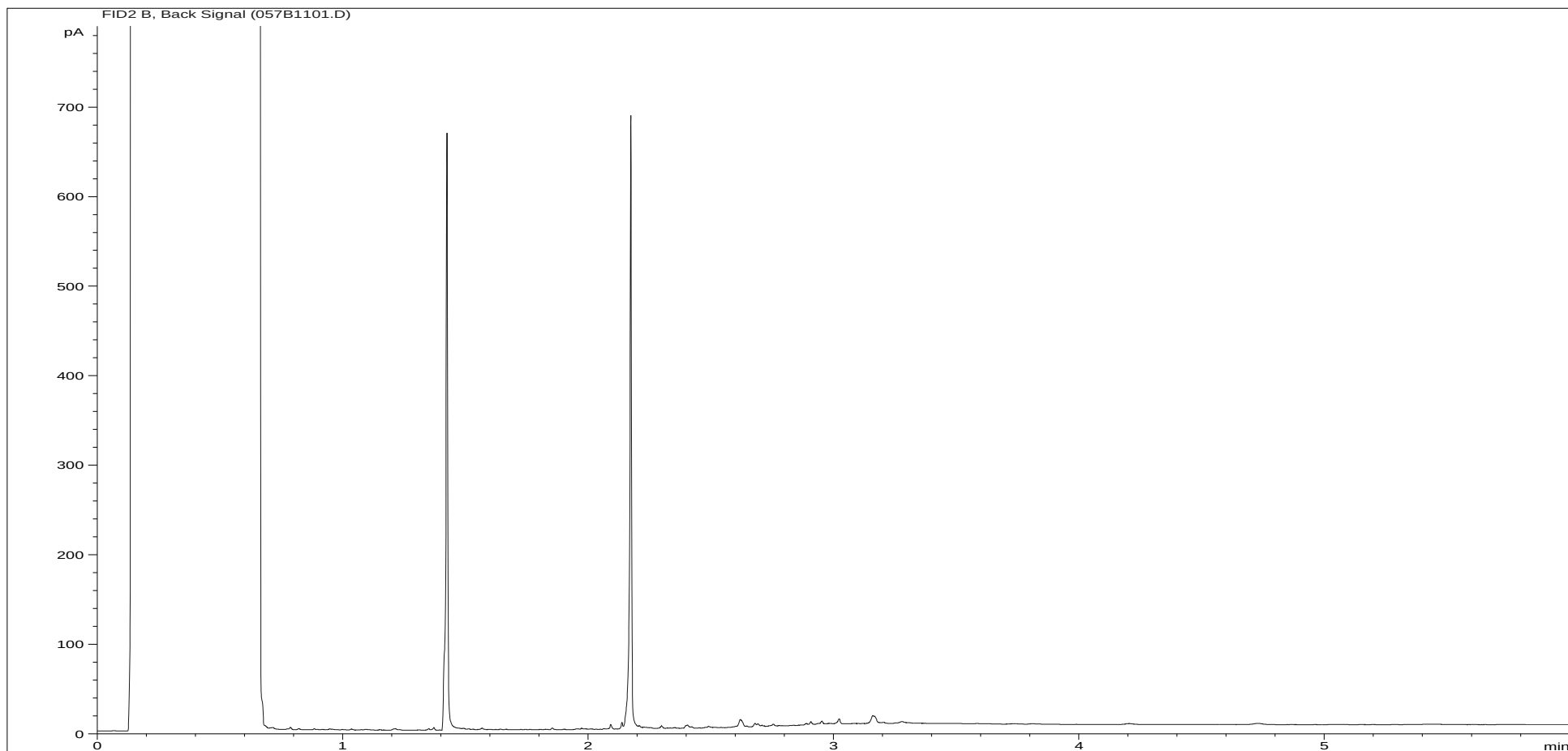
This sample data is not accredited.		Concentration, (mg/kg) - as dry weight.											
		>C8 - C10		>C10 - C12		>C12 - C16		>C16 - C21		>C21 - C35		>C8 - C40	
Sample ID	Client ID	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics
CL1032117	TP201 ES 1 0.10	<5	<5	<5	<5	<5	<5	<5	<5	<10.70	<10.70	<24	<24
CL1032118	TP201 ES 3 0.60 (NVM)	<4	<4	<4	<4	14	<4	59.3	13.7	724	283	911	379
CL1032120	TP201 ES 11 3.00	<4	<4	<4	<4	<4	<4	<4	<4	<9.79	<9.79	<22	<22
CL1032121	TP202 ES 1 0.10	<5	<5	<5	<5	22.9	<5	73.4	6.75	87.3	<10.14	185	<23
CL1032122	TP202 ES 7 0.75	<4	<4	<4	<4	<4	<4	<4	<4	<9.67	<9.67	<22	<22
CL1032123	TP203 ES 1 0.10	<5	<5	<5	<5	<5	<5	8.81	<5	26.6	<10.49	42.8	<24
CL1032124	TP203 ES 4 0.30	<4	<4	<4	<4	<4	<4	<4	<4	41.1	10	46.7	<22
CL1032125	TP204 ES 1 0.20	<5	<5	<5	<5	<5	<5	<5	<5	<9.89	<9.89	<23	<23
CL1032127	TP204 ES 7 1.60	<5	<5	<5	<5	<5	<5	<5	<5	14.5	<10.01	<23	<23
CL1032128	TP204 ES 10 2.60	<5	<5	<5	<5	<5	<5	<5	<5	<11.03	<11.03	<25	<25
CL1032129	TP205 ES 3 0.50	<5	<5	<5	<5	31.9	<5	161	32	80.4	53.7	277	94.9
CL1032131	TP205 ES 9 2.41	<4	<4	<4	<4	<4	<4	<4	<4	<9.64	<9.64	<22	<22
CL1032132	TP206 ES 1 0.10	<5	<5	<5	<5	<5	<5	<5	<5	<10.86	<10.86	<25	<25
CL1032133	TP206 ES 3 0.60	<5	<5	<5	<5	15	8.45	57.2	29	49.6	73.1	132	130

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



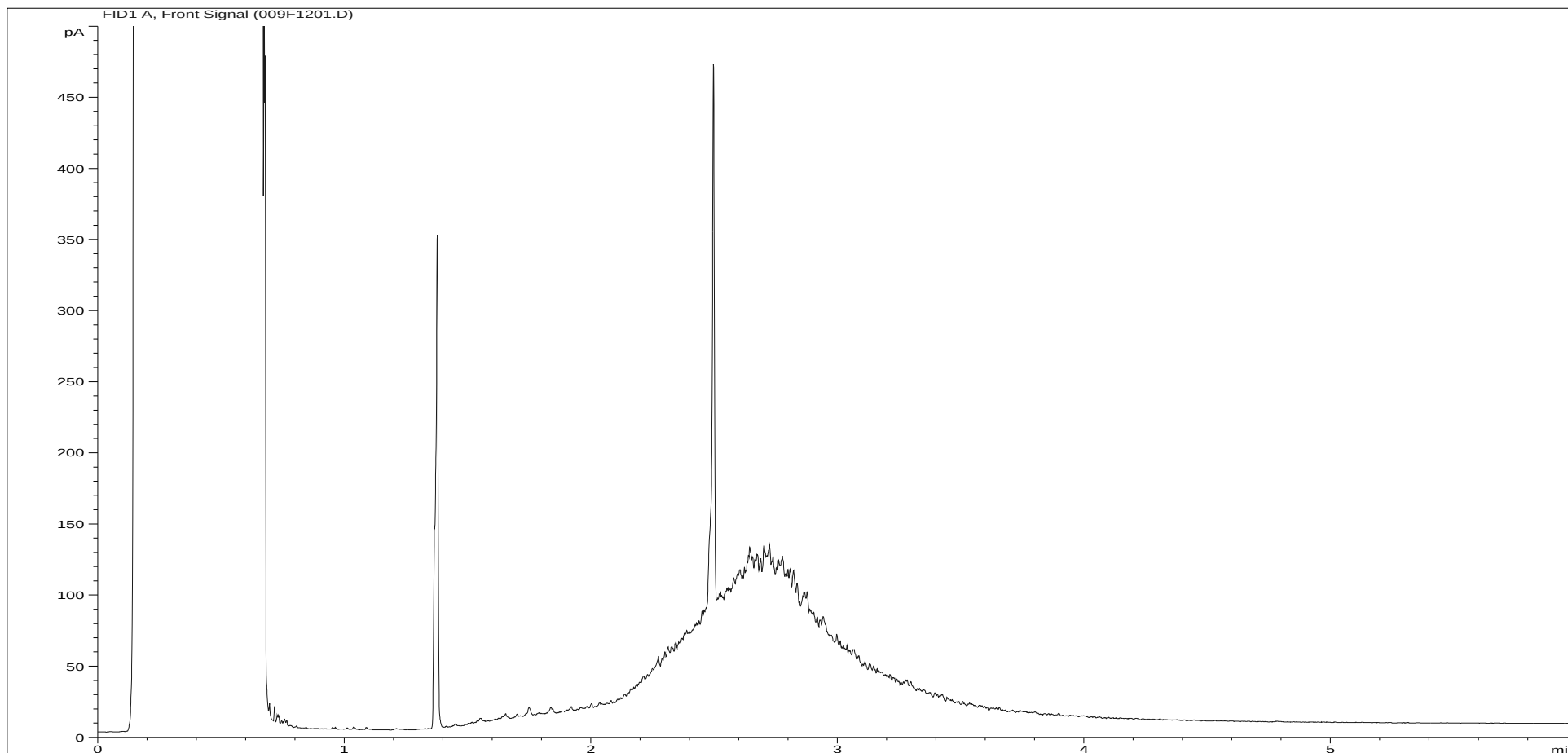
Sample ID:	CL1032117ALI	Job Number:	S10_7296M
Multiplier:	15.58	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP201 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 11:41:08		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\008F1101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



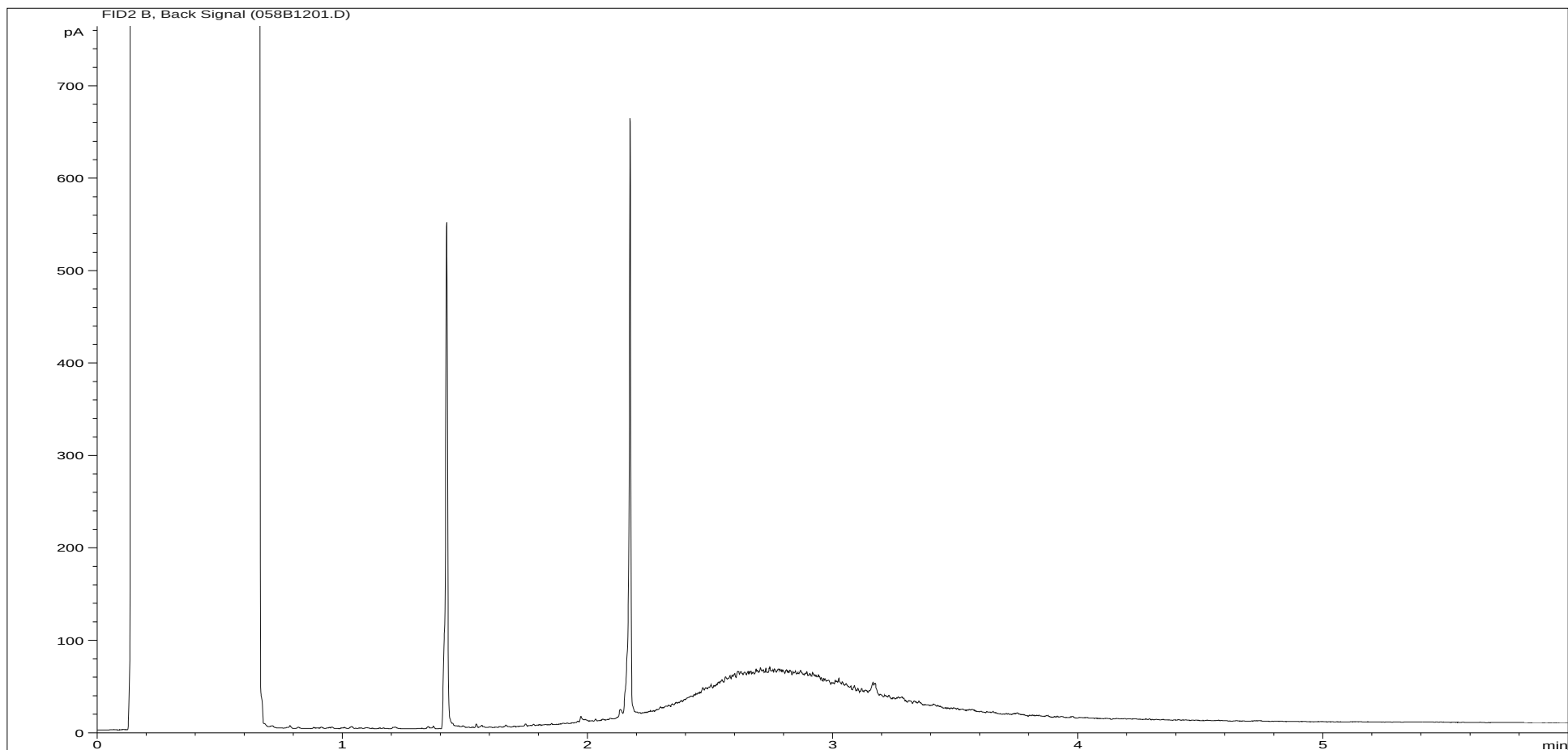
Sample ID:	CL1032117ARO	Job Number:	S10_7296M
Multiplier:	11.4	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP201 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 11:41:08		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\057B1101.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



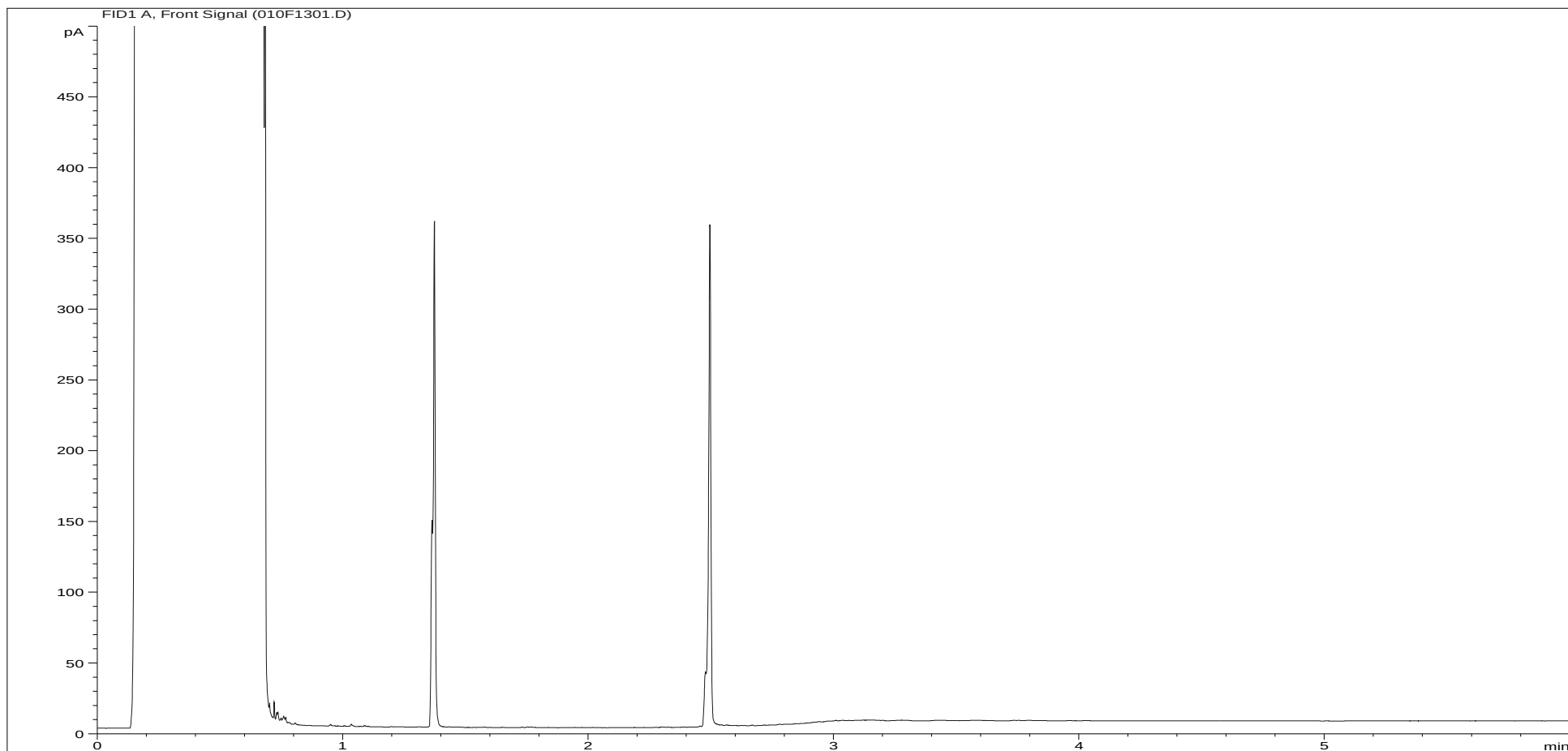
Sample ID:	CL1032118ALI	Job Number:	S10_7296M
Multiplier:	14.4	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP201 ES 3 0.60 (NVM)
Acquisition Date/Time:	29-Oct-10, 11:53:00		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\009F1201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



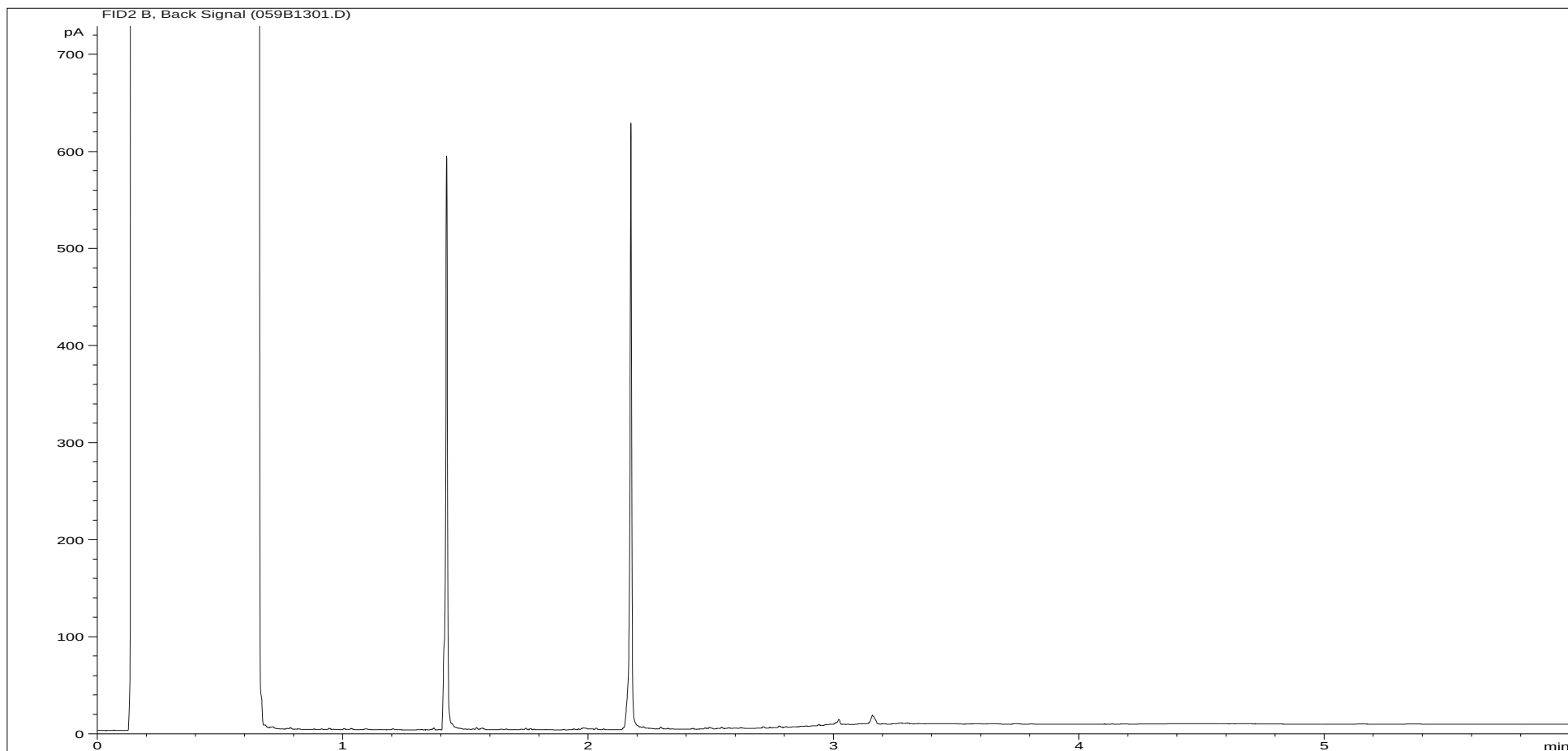
Sample ID:	CL1032118ARO	Job Number:	S10_7296M
Multiplier:	10.8	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP201 ES 3 0.60 (NVM)
Acquisition Date/Time:	29-Oct-10, 11:53:00		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\058B1201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



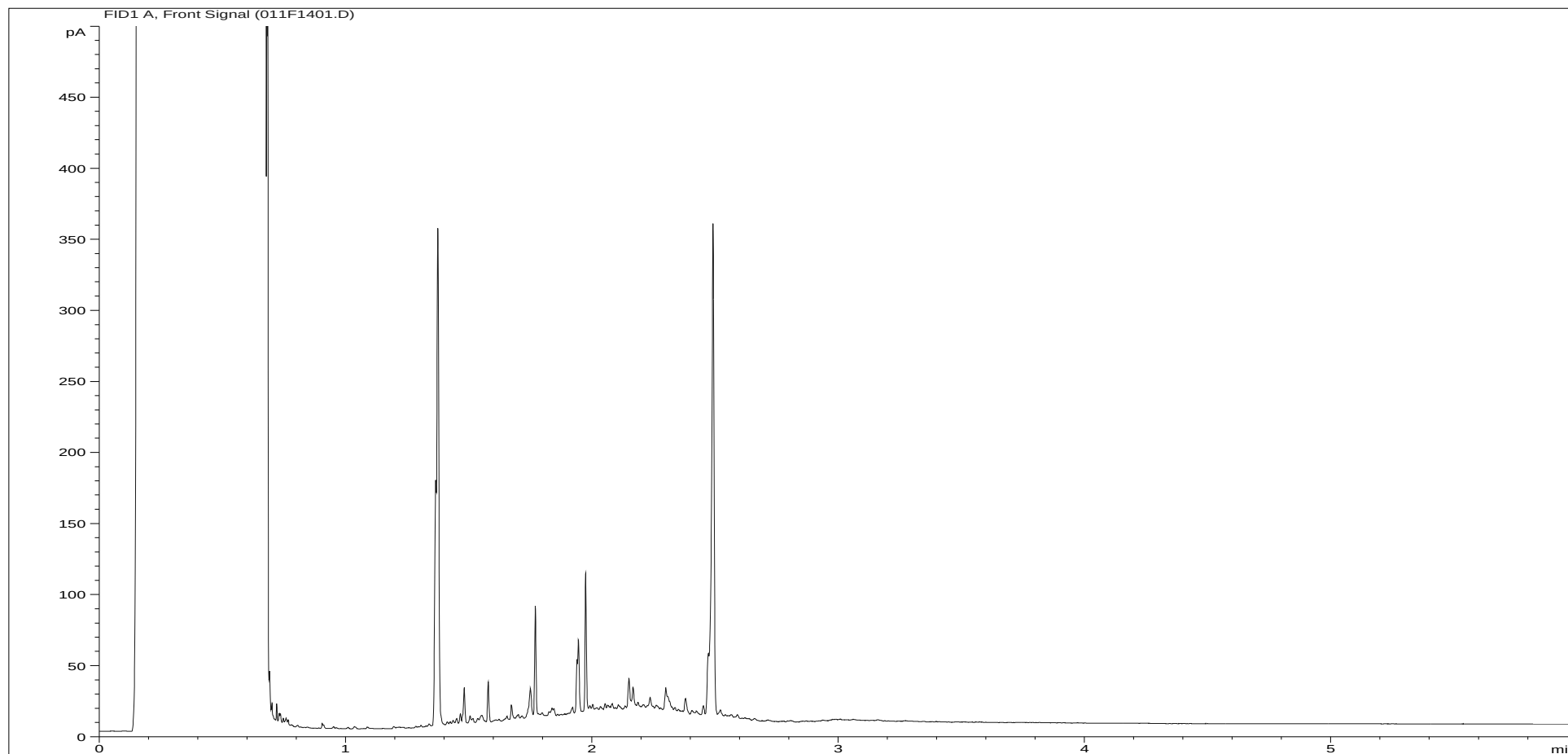
Sample ID:	CL1032120ALI	Job Number:	S10_7296M
Multiplier:	14.04	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP201 ES 11 3.00
Acquisition Date/Time:	29-Oct-10, 12:04:57		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\010F1301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



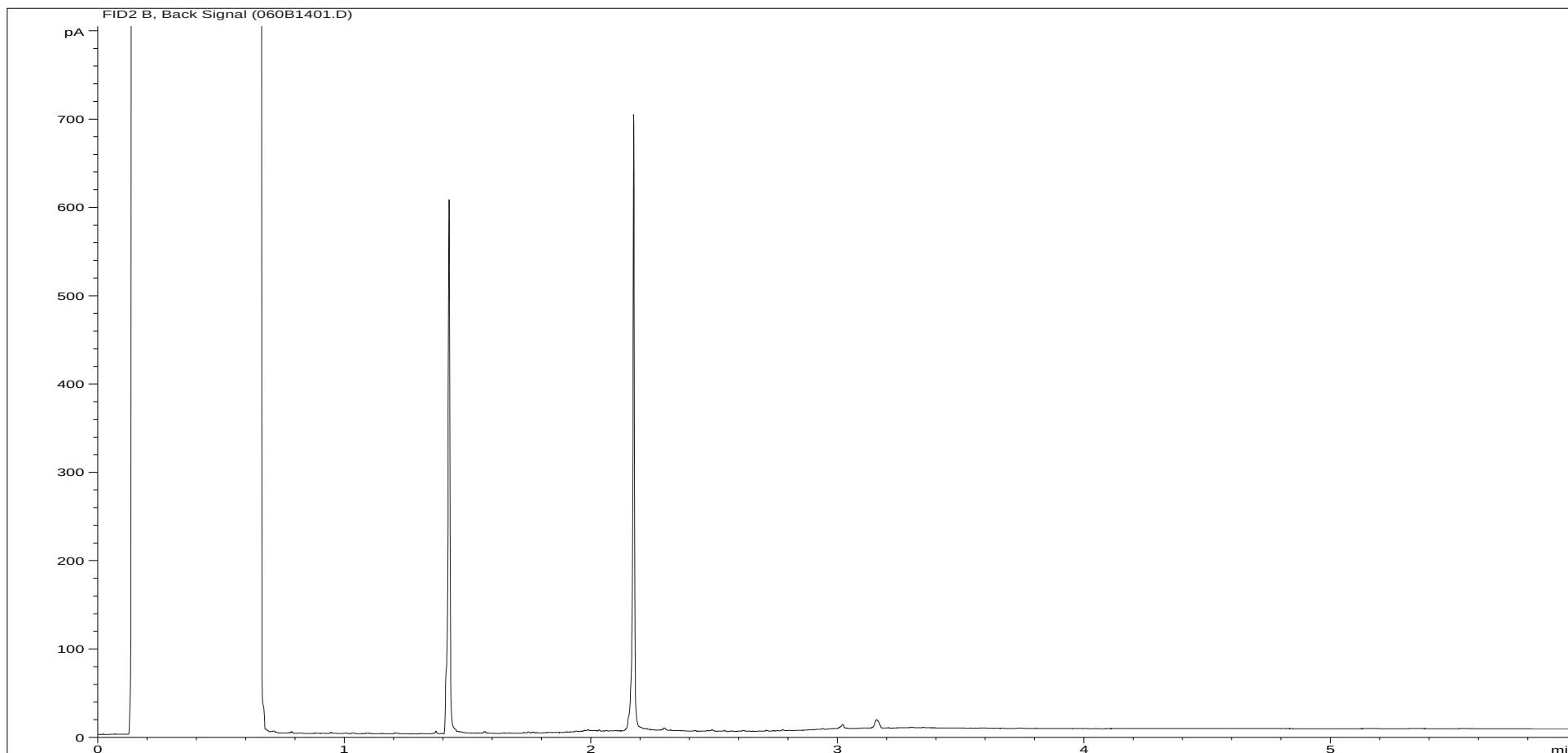
Sample ID:	CL1032120ARO	Job Number:	S10_7296M
Multiplier:	10.44	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP201 ES 11 3.00
Acquisition Date/Time:	29-Oct-10, 12:04:57		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\059B1301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



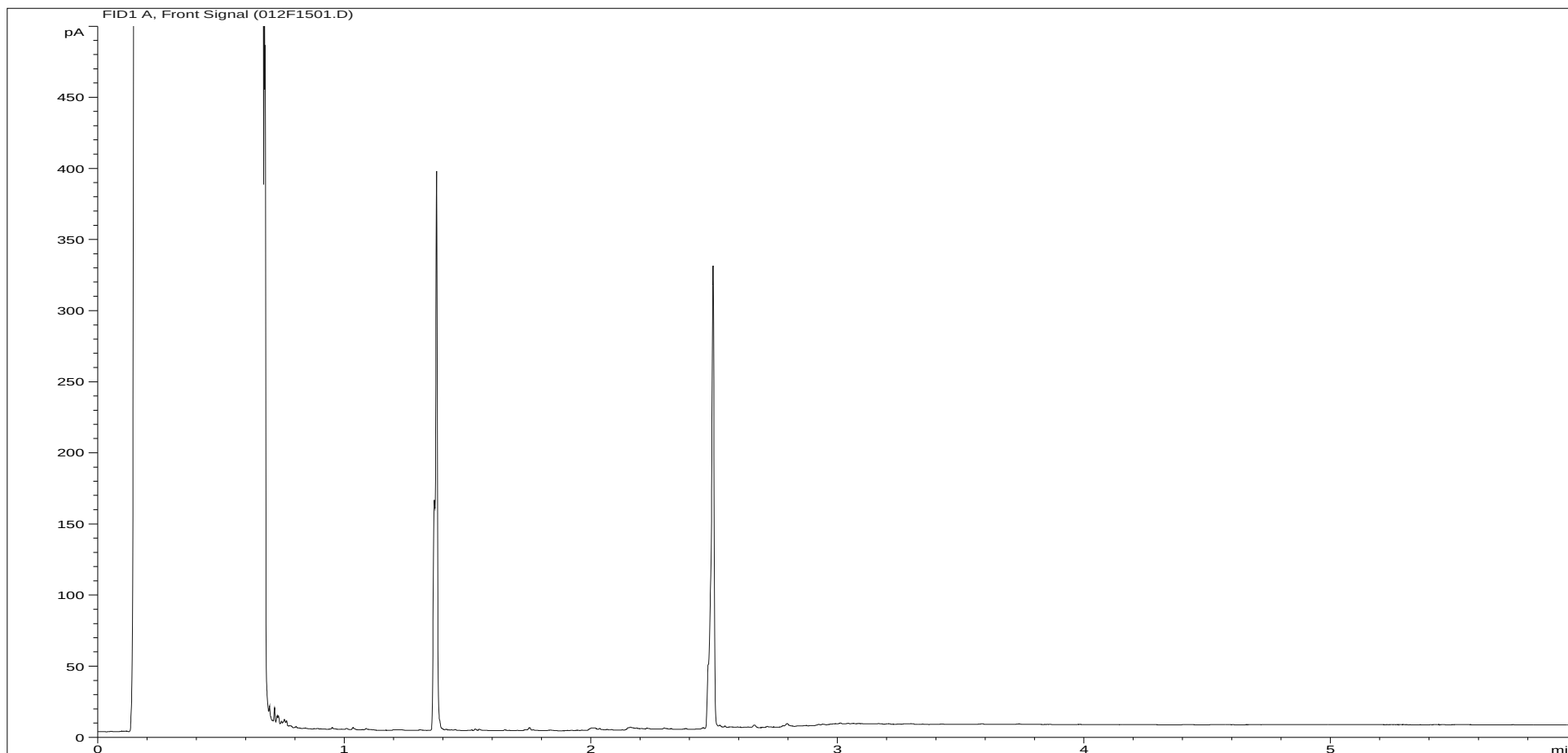
Sample ID:	CL1032121ALI	Job Number:	S10_7296M
Multiplier:	14.04	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP202 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 12:16:50		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\011F1401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



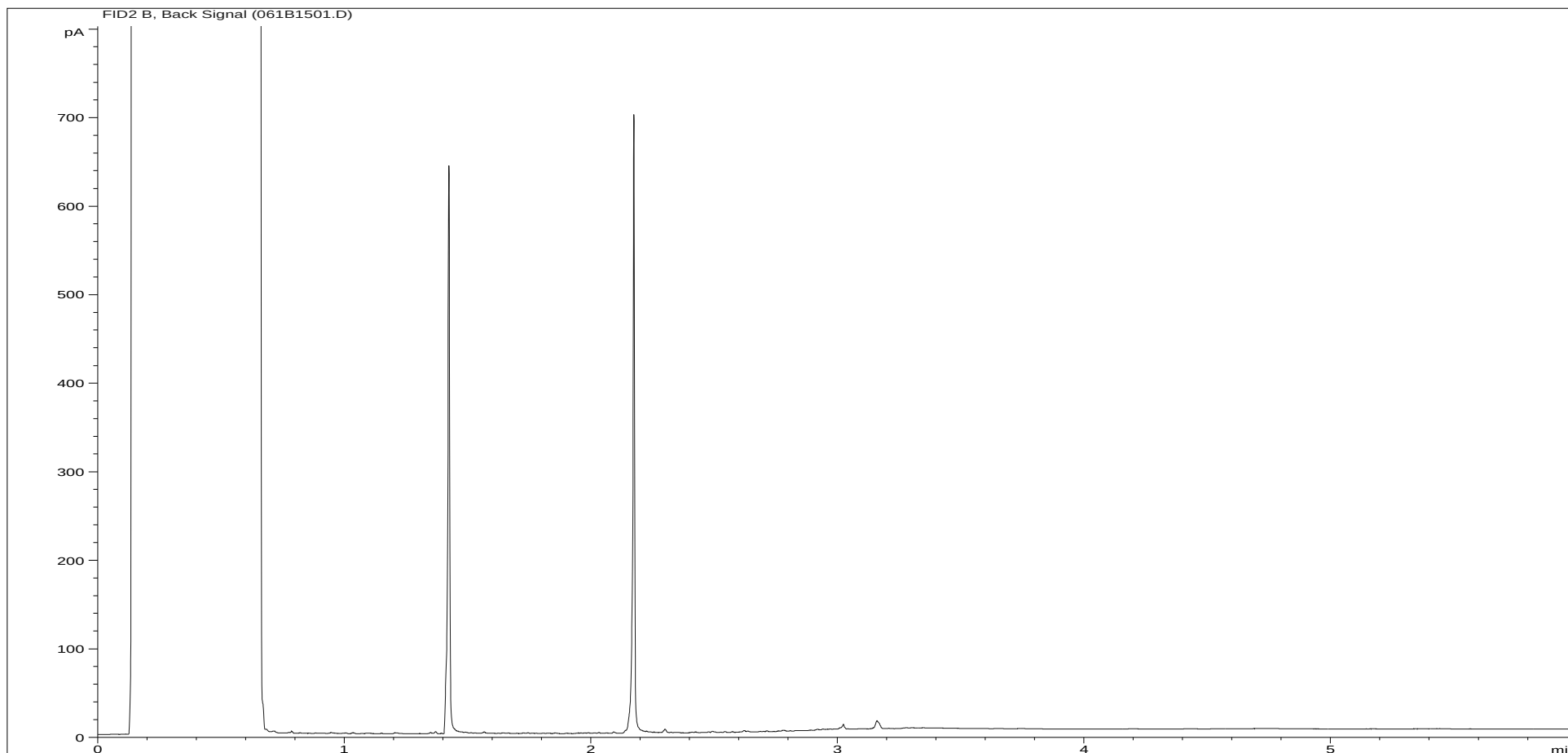
Sample ID:	CL1032121ARO	Job Number:	S10_7296M
Multiplier:	10.8	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP202 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 12:16:50		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\060B1401.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



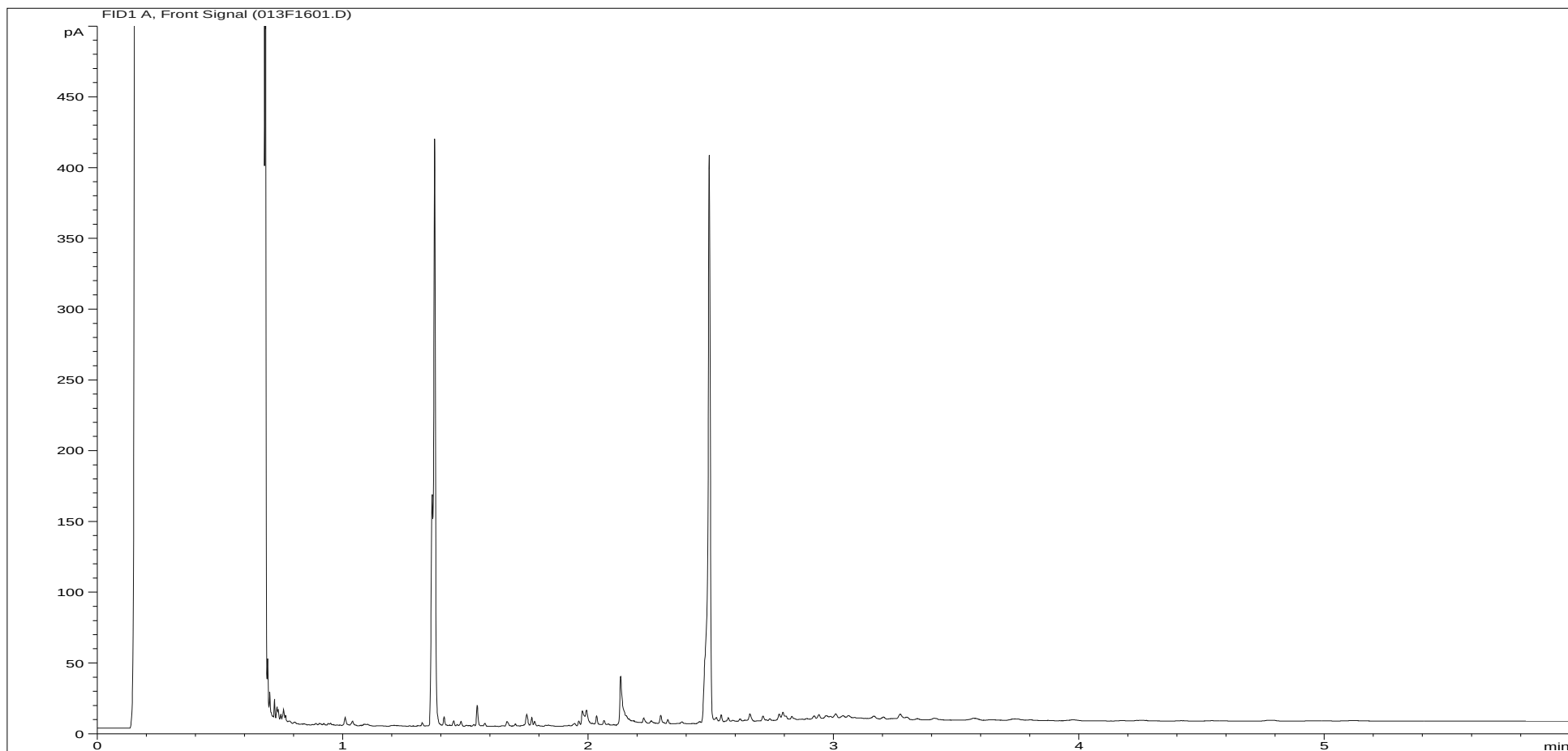
Sample ID:	CL1032122ALI	Job Number:	S10_7296M
Multiplier:	13.6	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP202 ES 7 0.75
Acquisition Date/Time:	29-Oct-10, 12:28:42		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\012F1501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



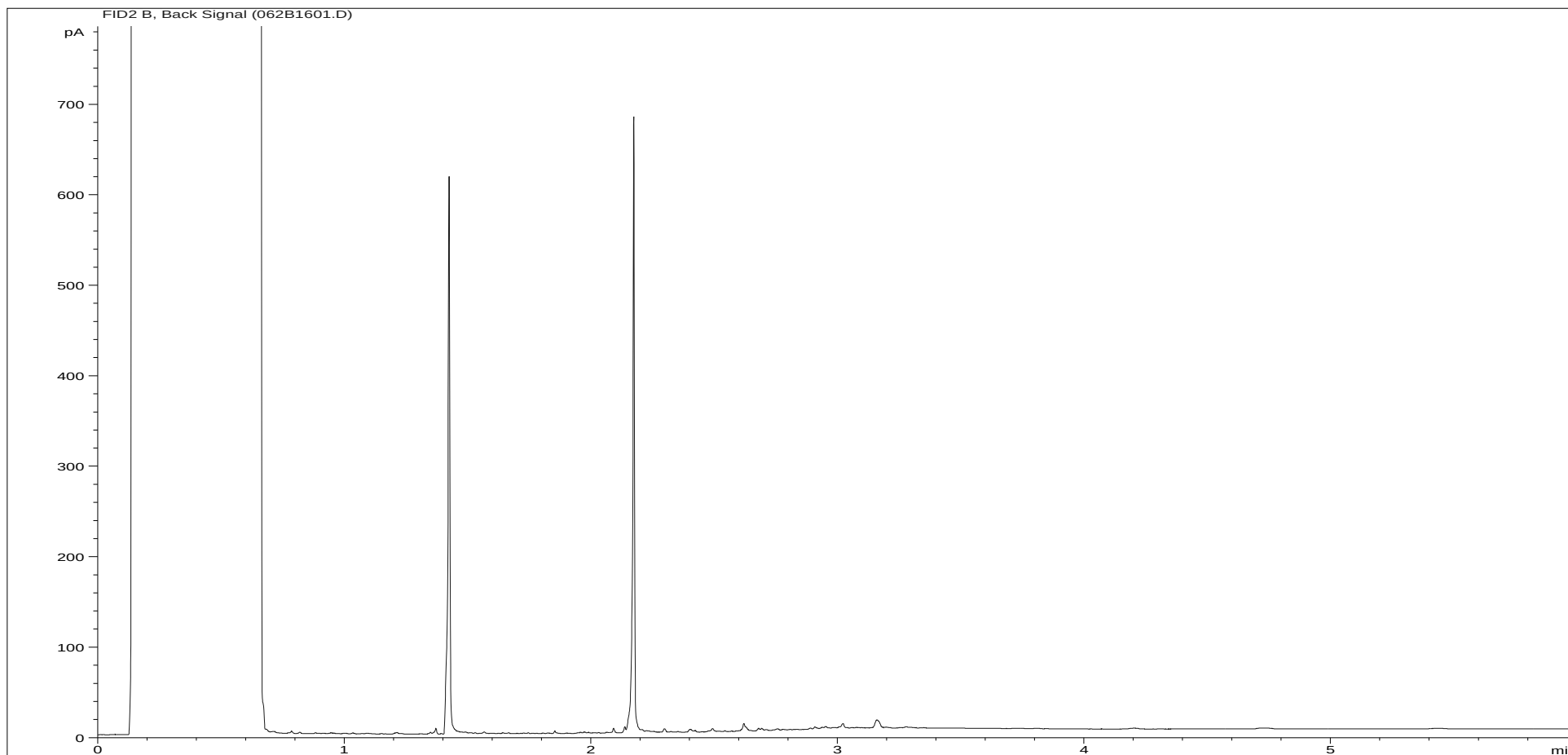
Sample ID:	CL1032122ARO	Job Number:	S10_7296M
Multiplier:	9.52	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP202 ES 7 0.75
Acquisition Date/Time:	29-Oct-10, 12:28:42		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\061B1501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



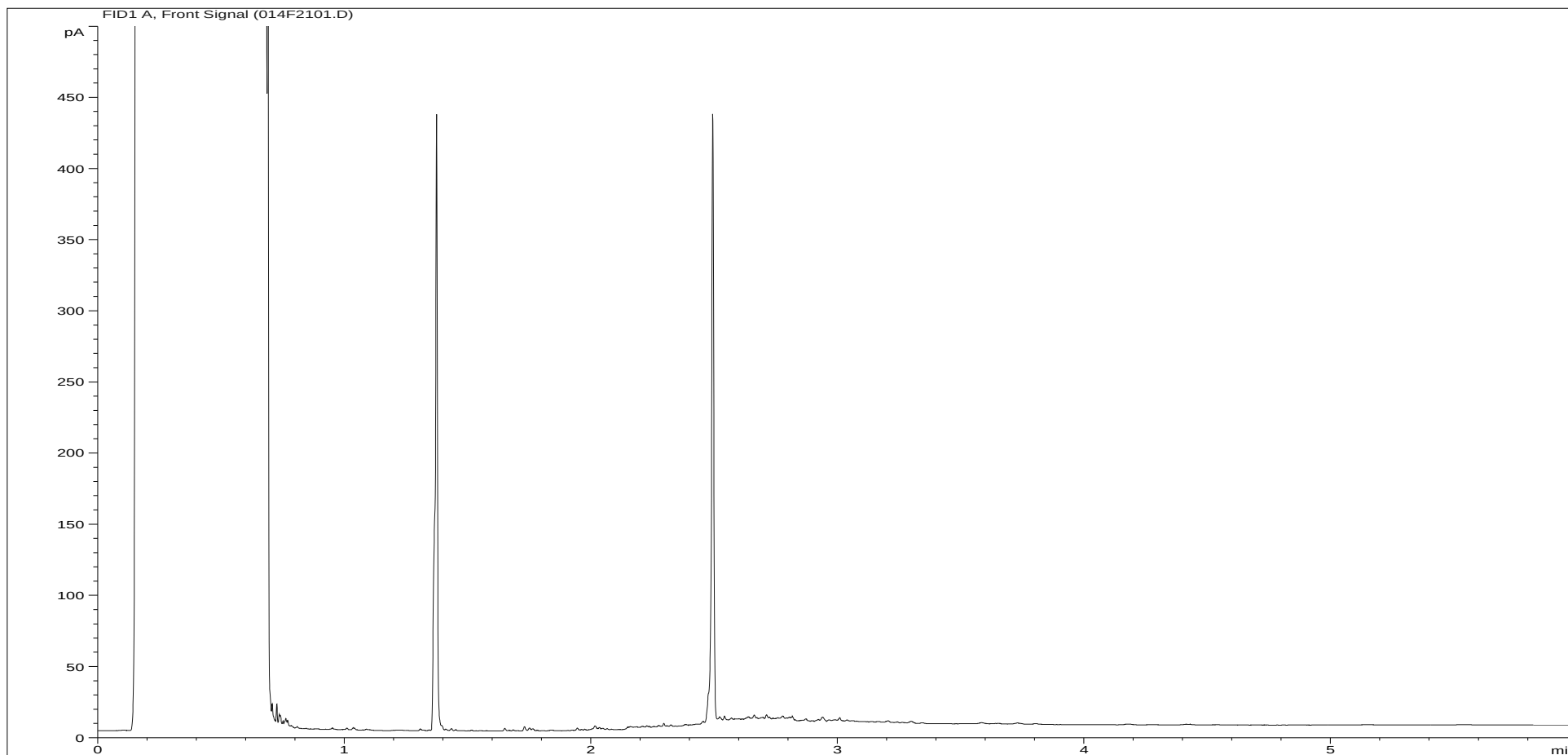
Sample ID:	CL1032123ALI	Job Number:	S10_7296M
Multiplier:	14.06	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP203 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 12:40:35		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\013F1601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



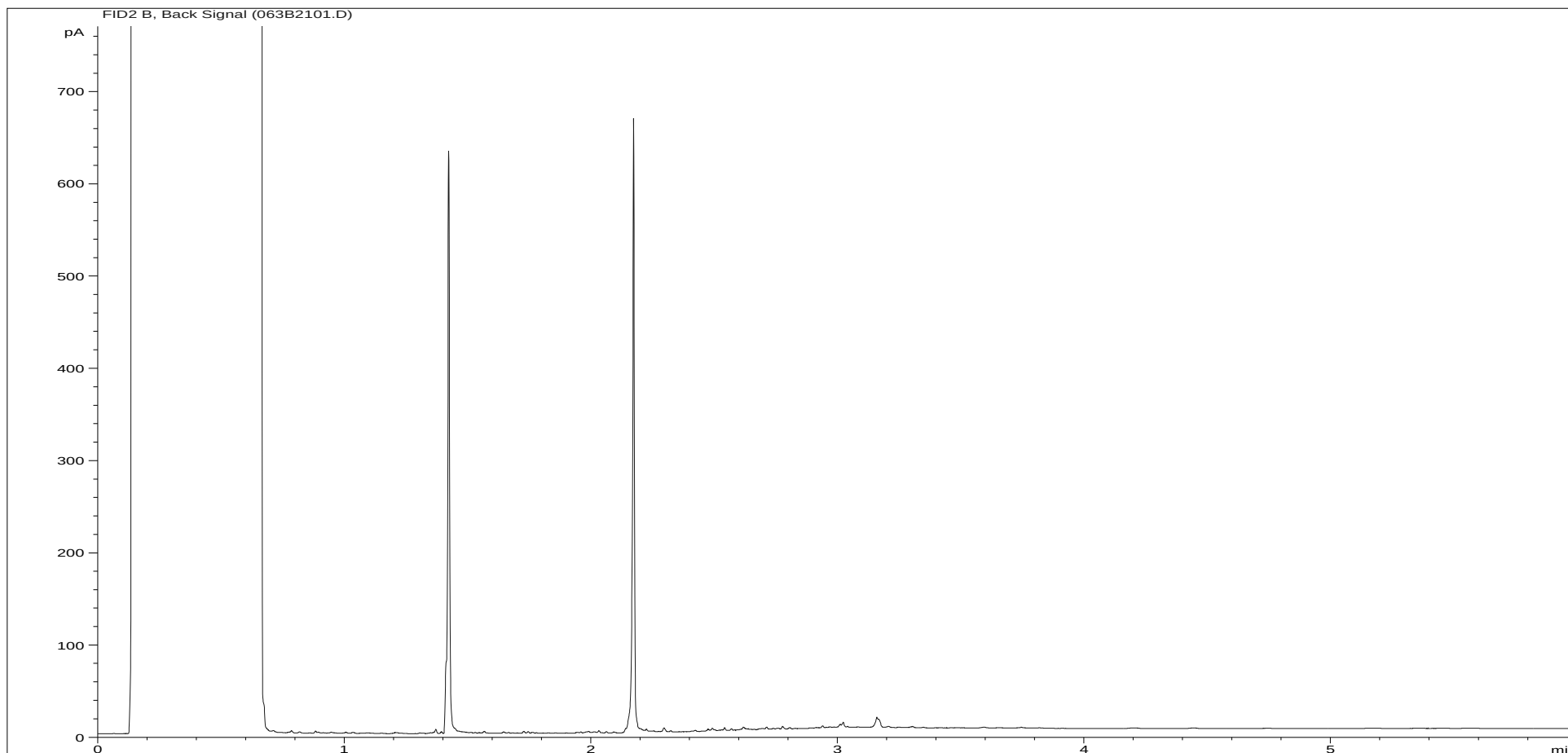
Sample ID:	CL1032123ARO	Job Number:	S10_7296M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP203 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 12:40:35		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\062B1601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032124ALI	Job Number:	S10_7296M
Multiplier:	14.04	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP203 ES 4 0.30
Acquisition Date/Time:	29-Oct-10, 13:38:34		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\014F2101.D		

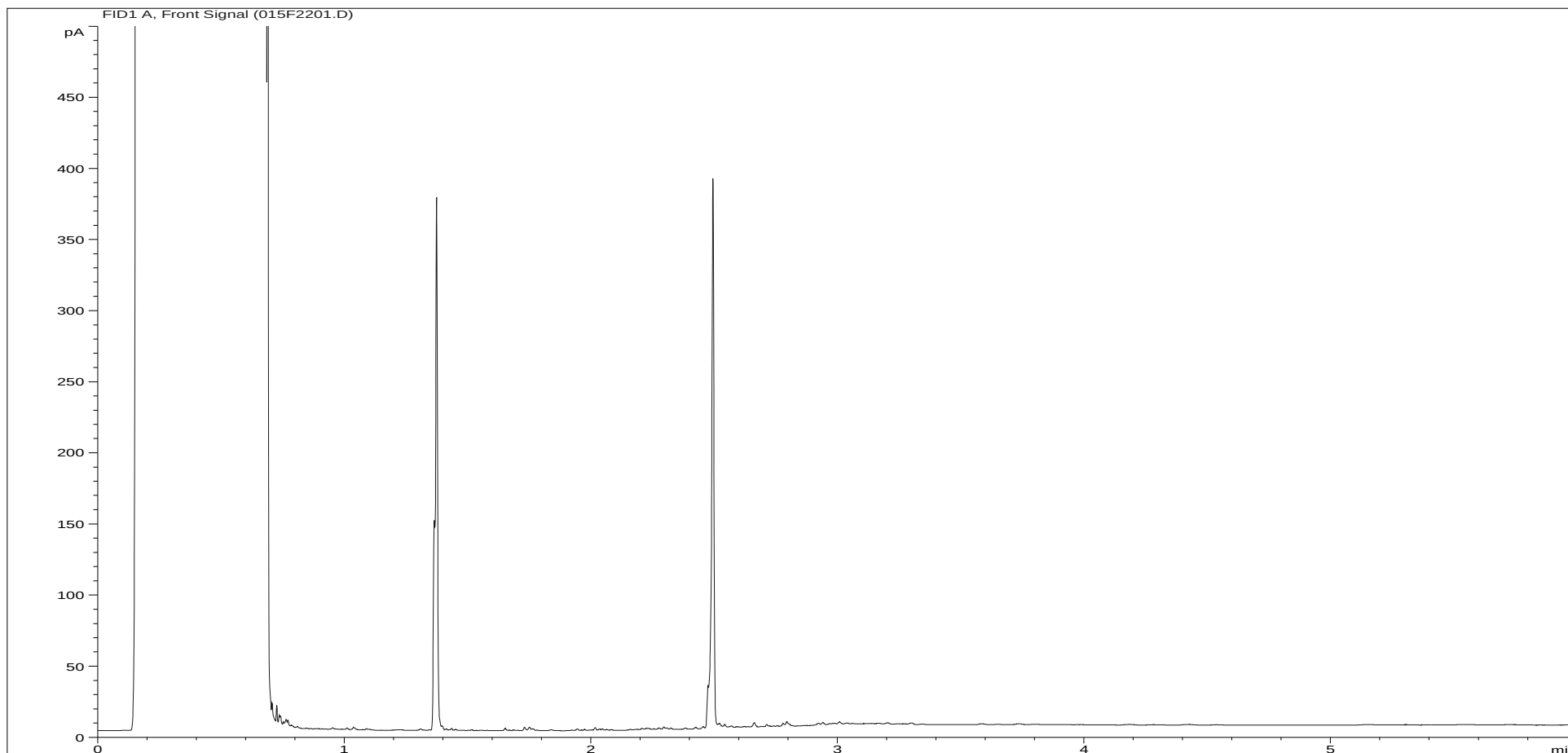
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032124ARO
Multiplier: 11.16
Dilution: 1
Acquisition Method: 5UL_MAX_RUNF.M
Acquisition Date/Time: 29-Oct-10, 13:38:34
Datafile: D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\063B2101.D

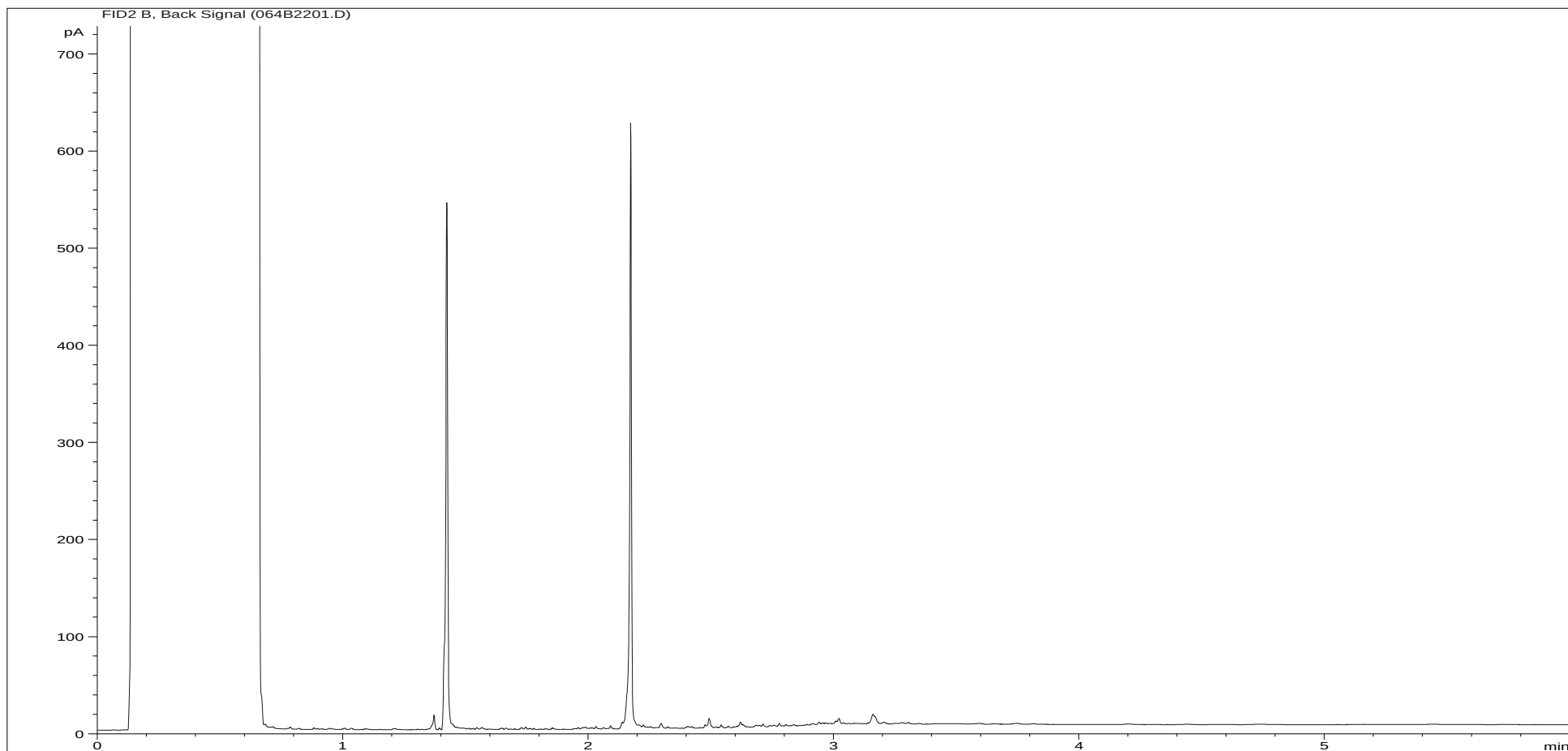
Job Number: S10_7296M
Client: Soil Mechanics
Site: Ferrybridge Multifuel PowerStn
Client Sample Ref: TP203 ES 4 0.30

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



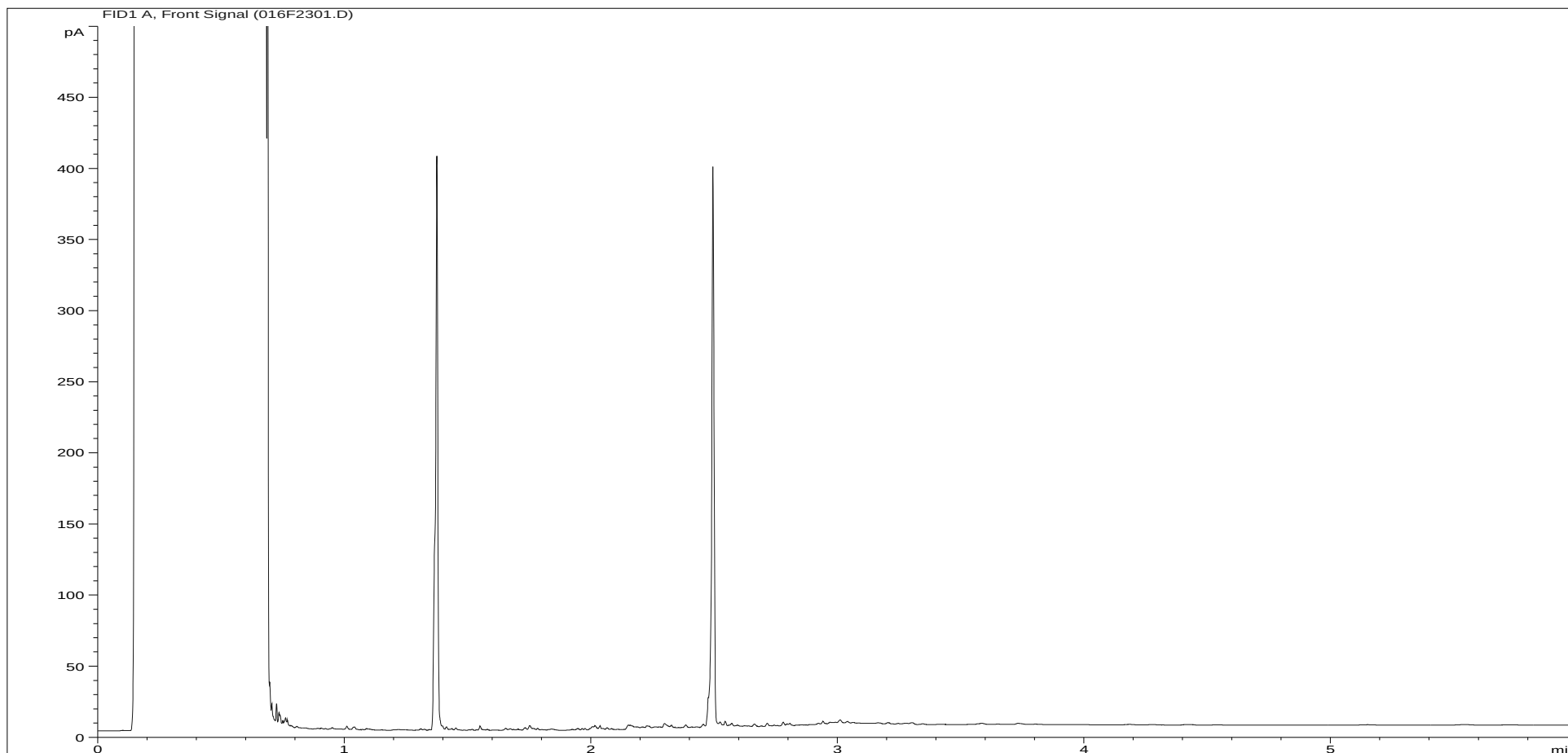
Sample ID:	CL1032125ALI	Job Number:	S10_7296M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP204 ES 1 0.20
Acquisition Date/Time:	29-Oct-10, 13:50:20		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\015F2201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



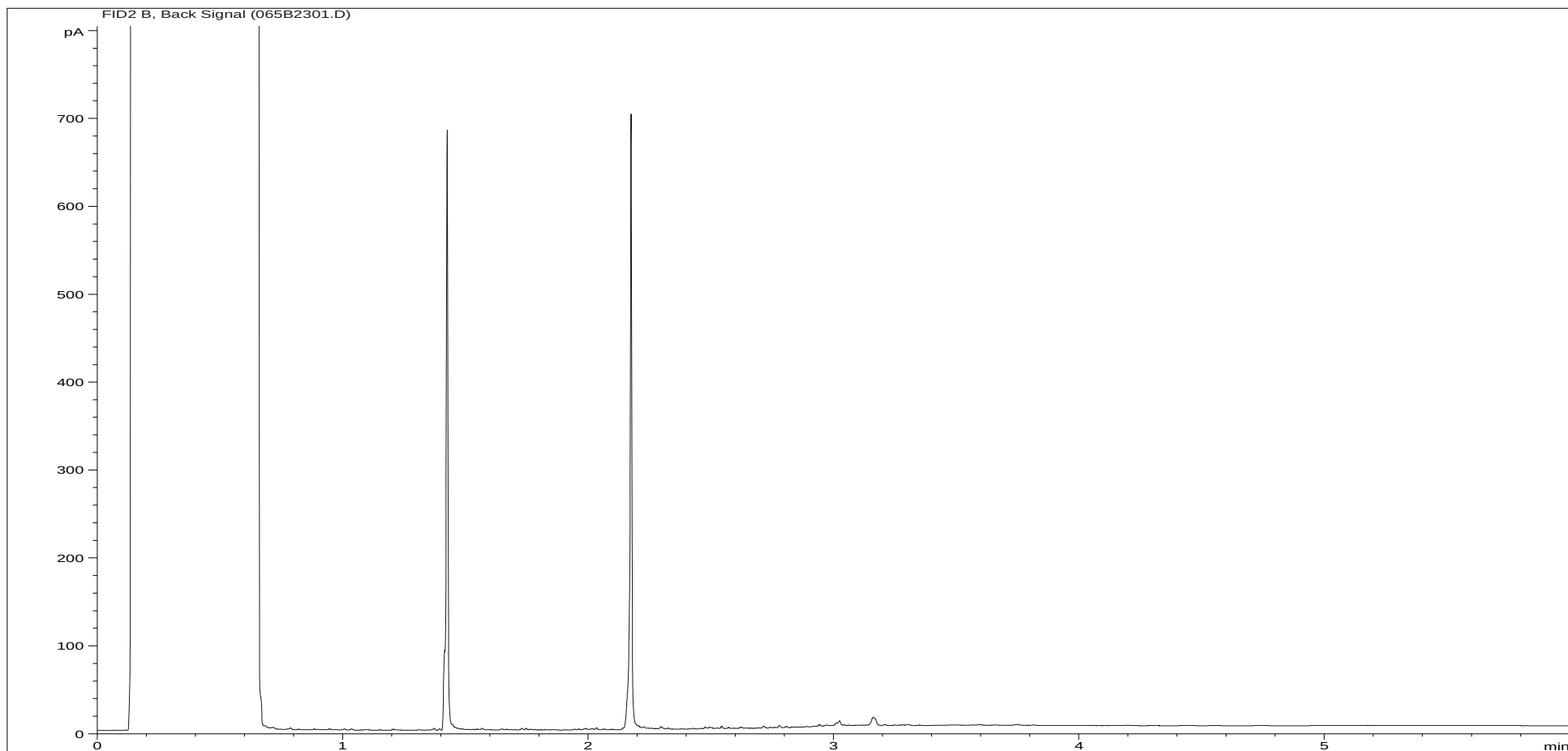
Sample ID:	CL1032125ARO	Job Number:	S10_7296M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP204 ES 1 0.20
Acquisition Date/Time:	29-Oct-10, 13:50:20		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\064B2201.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



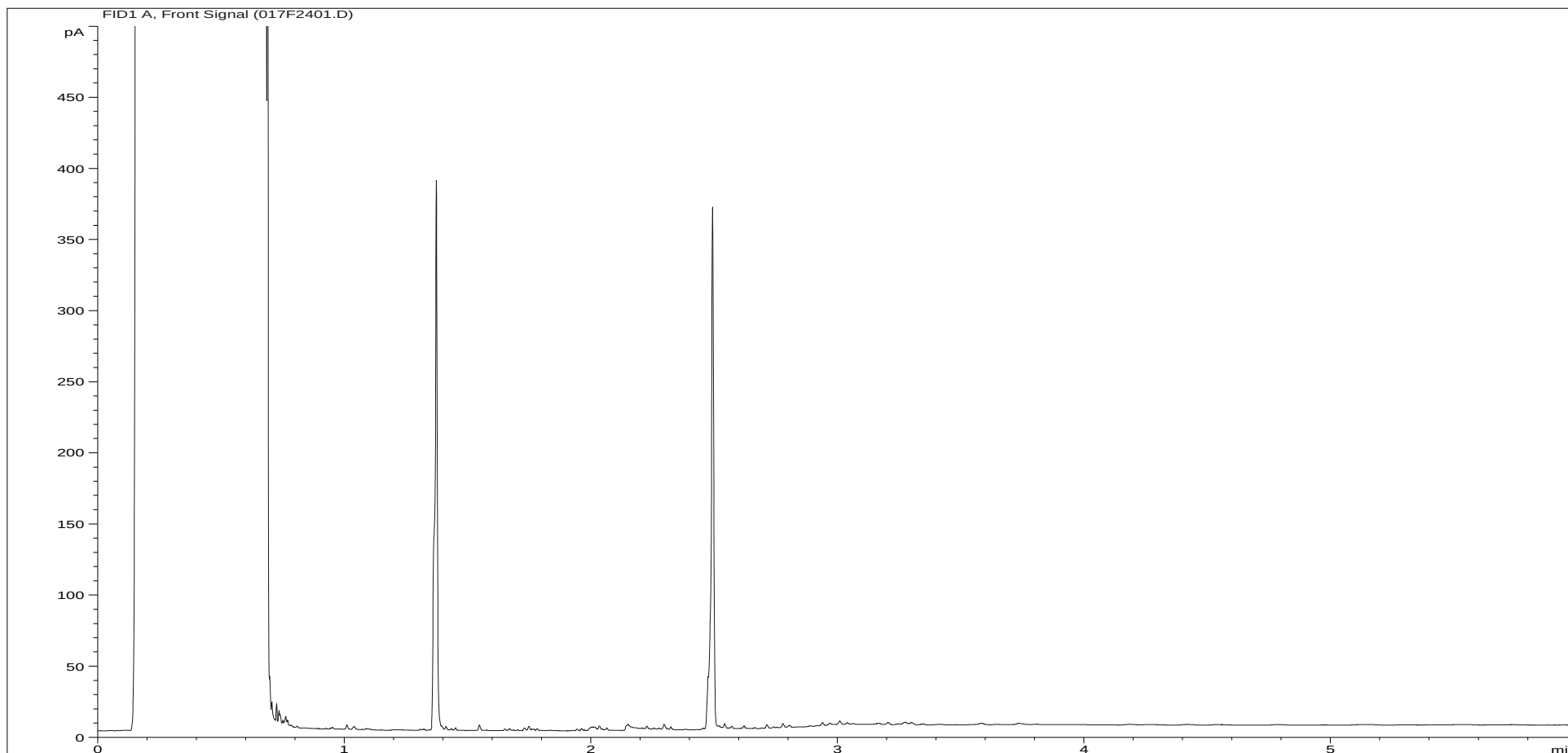
Sample ID:	CL1032127ALI	Job Number:	S10_7296M
Multiplier:	14.4	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP204 ES 7 1.60
Acquisition Date/Time:	29-Oct-10, 14:02:17		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\016F2301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



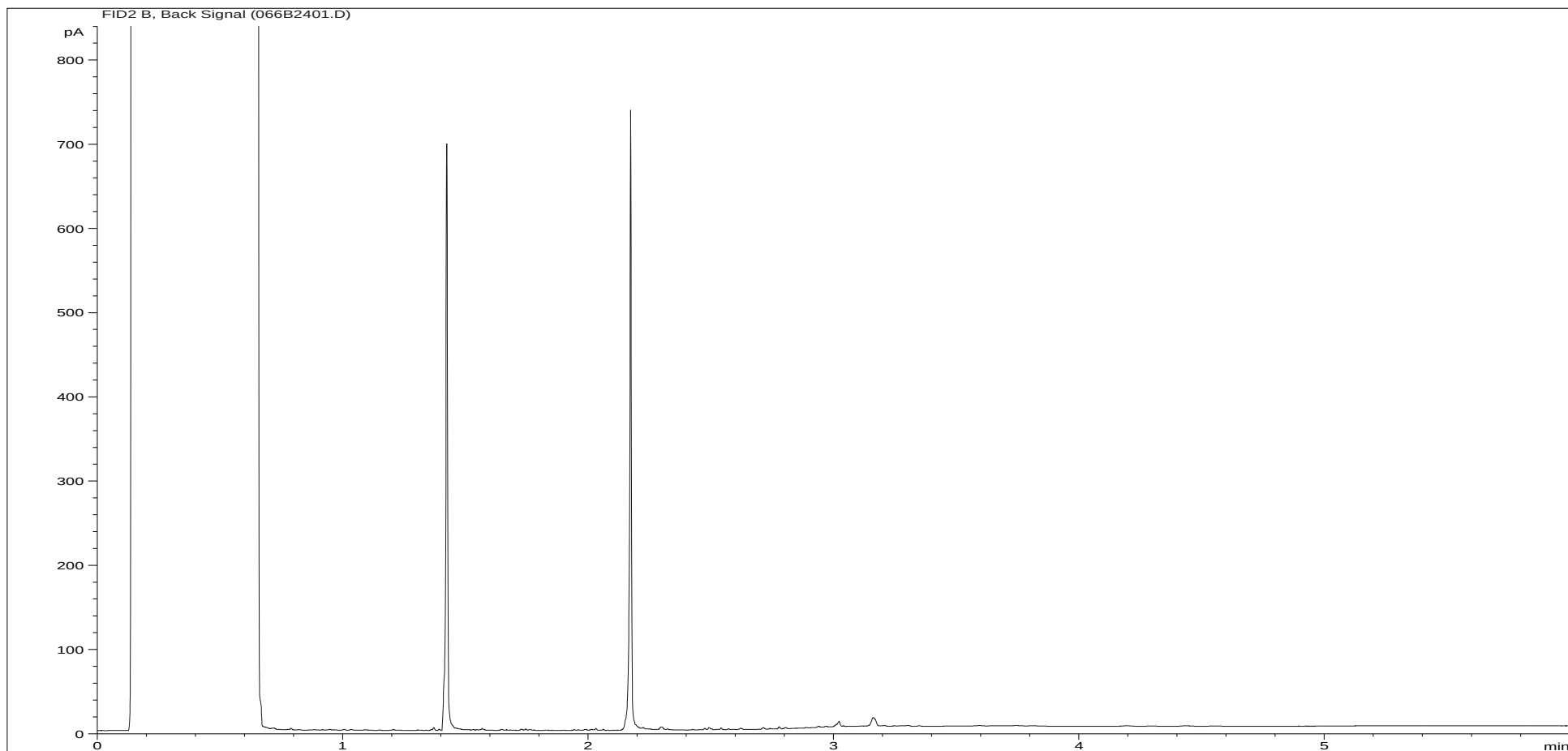
Sample ID:	CL1032127ARO	Job Number:	S10_7296M
Multiplier:	10.44	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP204 ES 7 1.60
Acquisition Date/Time:	29-Oct-10, 14:02:17		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\065B2301.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032128ALI	Job Number:	S10_7296M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP204 ES 10 2.60
Acquisition Date/Time:	29-Oct-10, 14:14:07		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\017F2401.D		

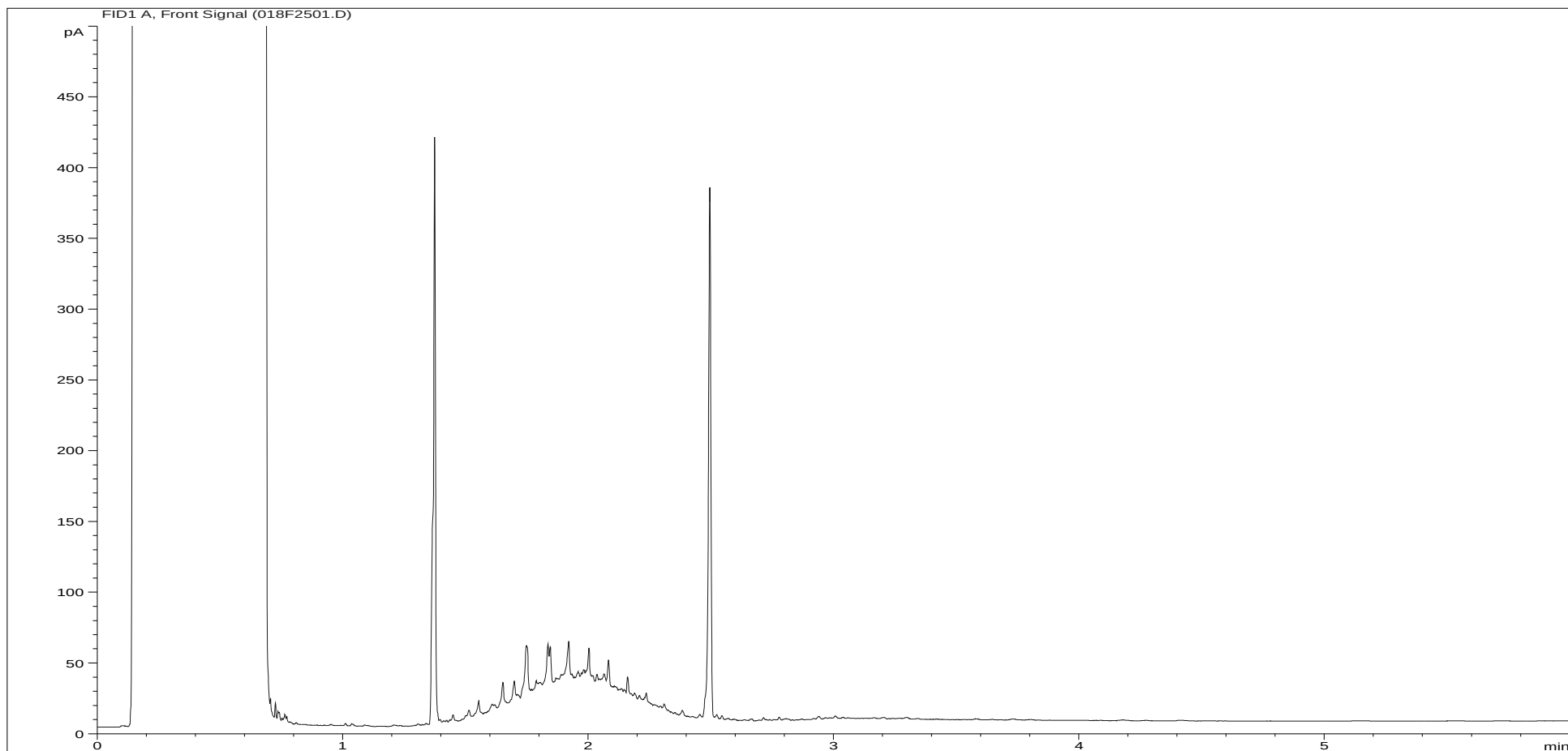
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: CL1032128ARO
Multiplier: 10.64
Dilution: 1
Acquisition Method: 5UL_MAX_RUNF.M
Acquisition Date/Time: 29-Oct-10, 14:14:07
Datafile: D:\TES\DATA\Y2010\1029TPH_GC14\102910

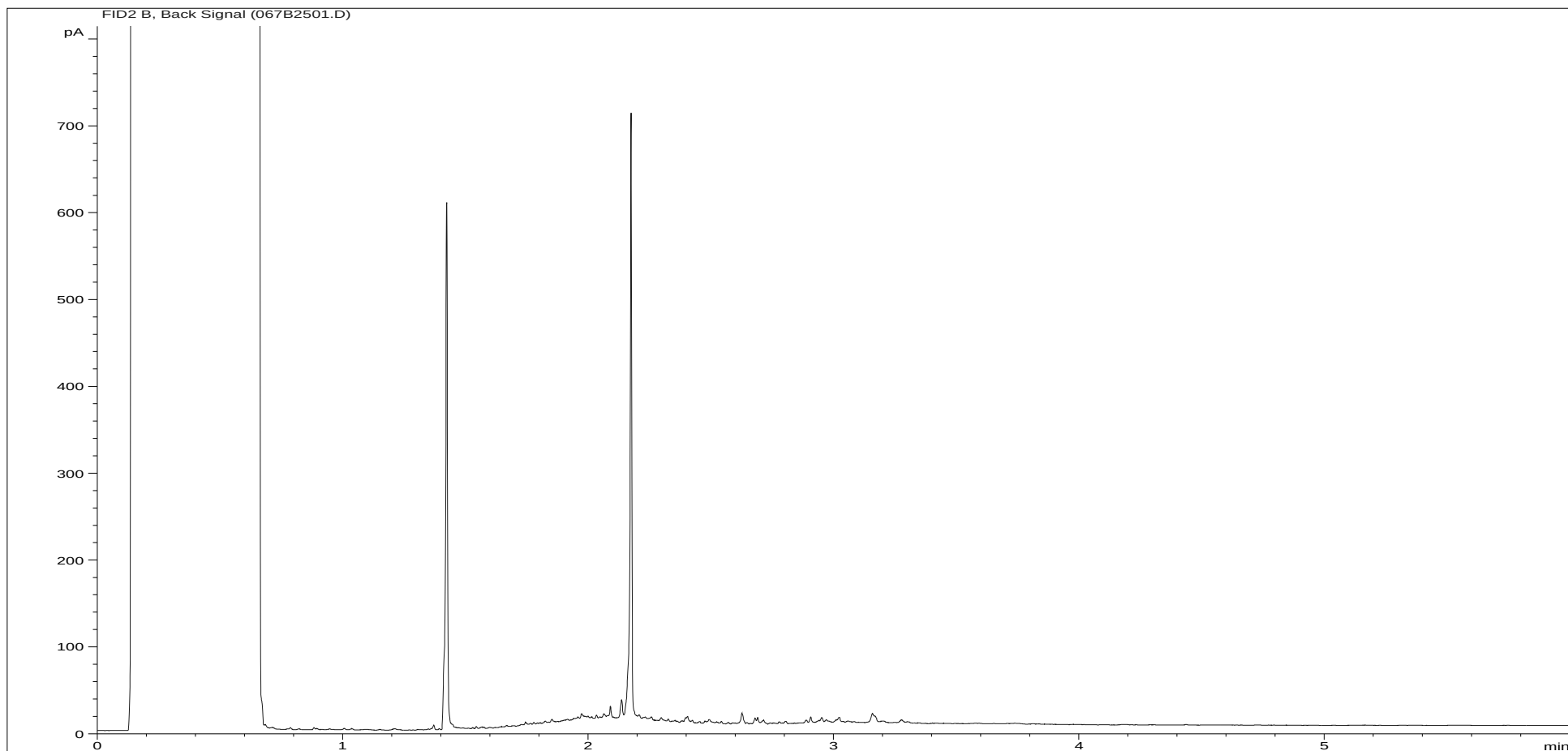
Job Number: S10_7296M
Client: Soil Mechanics
Site: Ferrybridge Multifuel PowerStn
Client Sample Ref: TP204 ES 10 2.60

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



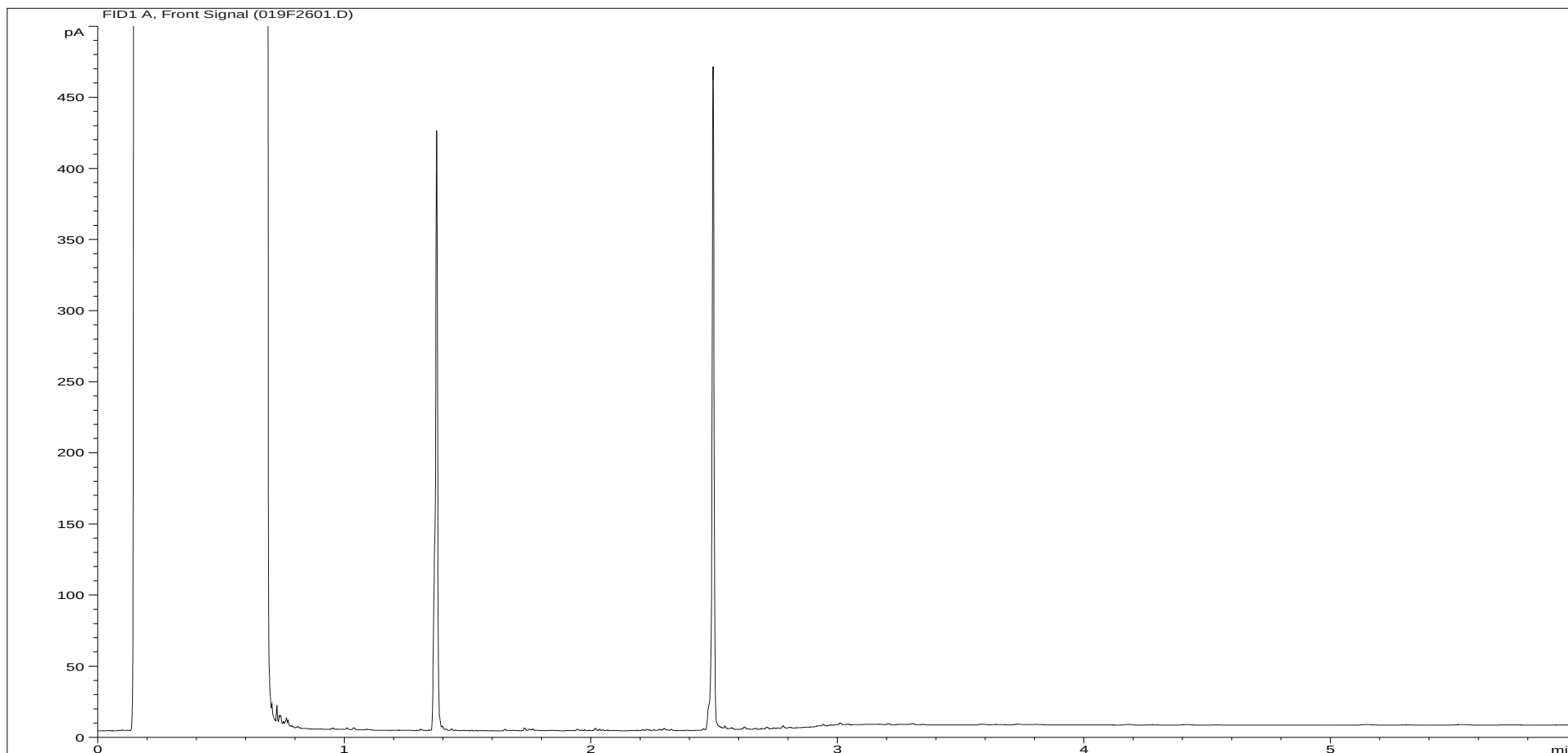
Sample ID:	CL1032129ALI	Job Number:	S10_7296M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP205 ES 3 0.50
Acquisition Date/Time:	29-Oct-10, 14:25:58		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\018F2501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



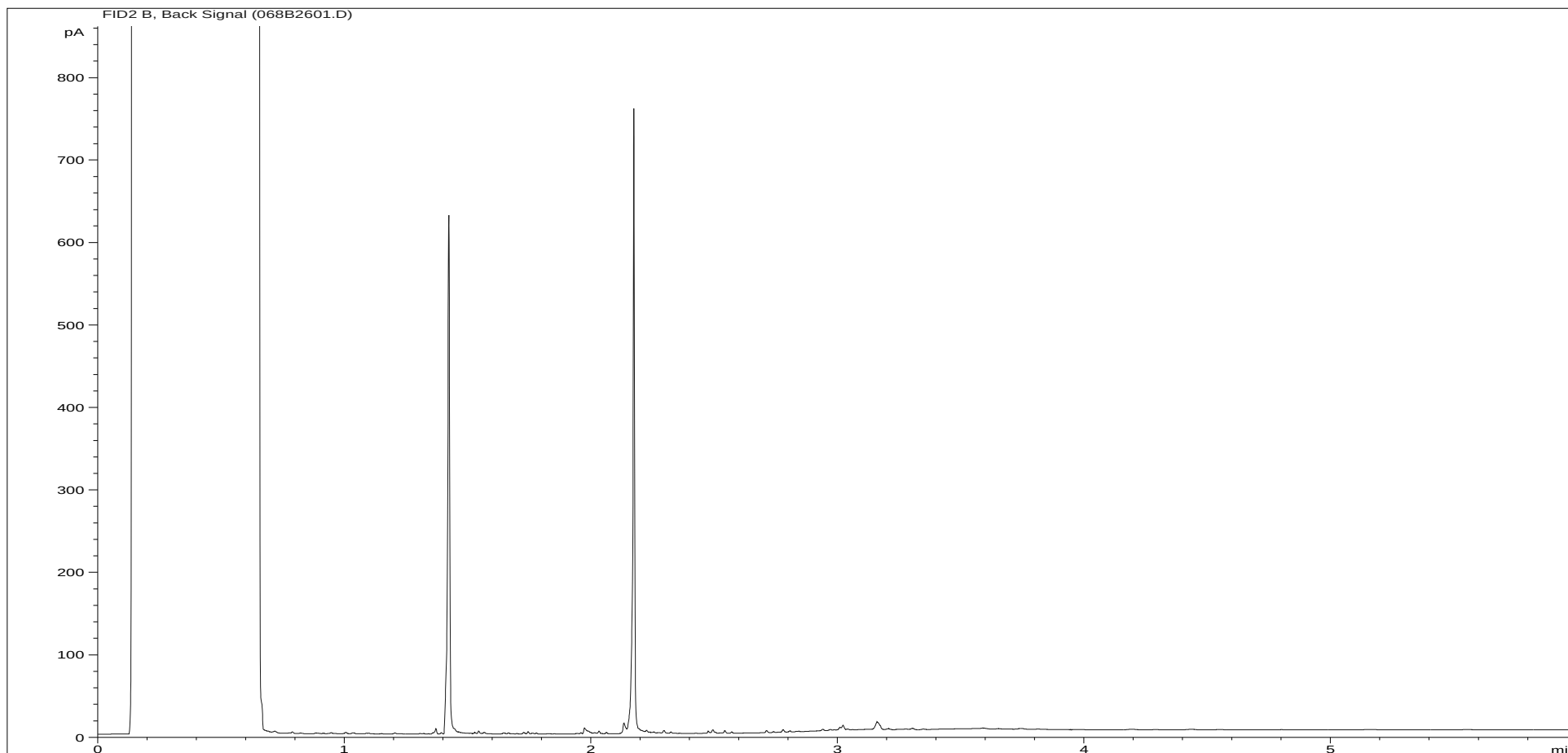
Sample ID:	CL1032129ARO	Job Number:	S10_7296M
Multiplier:	10.64	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP205 ES 3 0.50
Acquisition Date/Time:	29-Oct-10, 14:25:58		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\067B2501.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



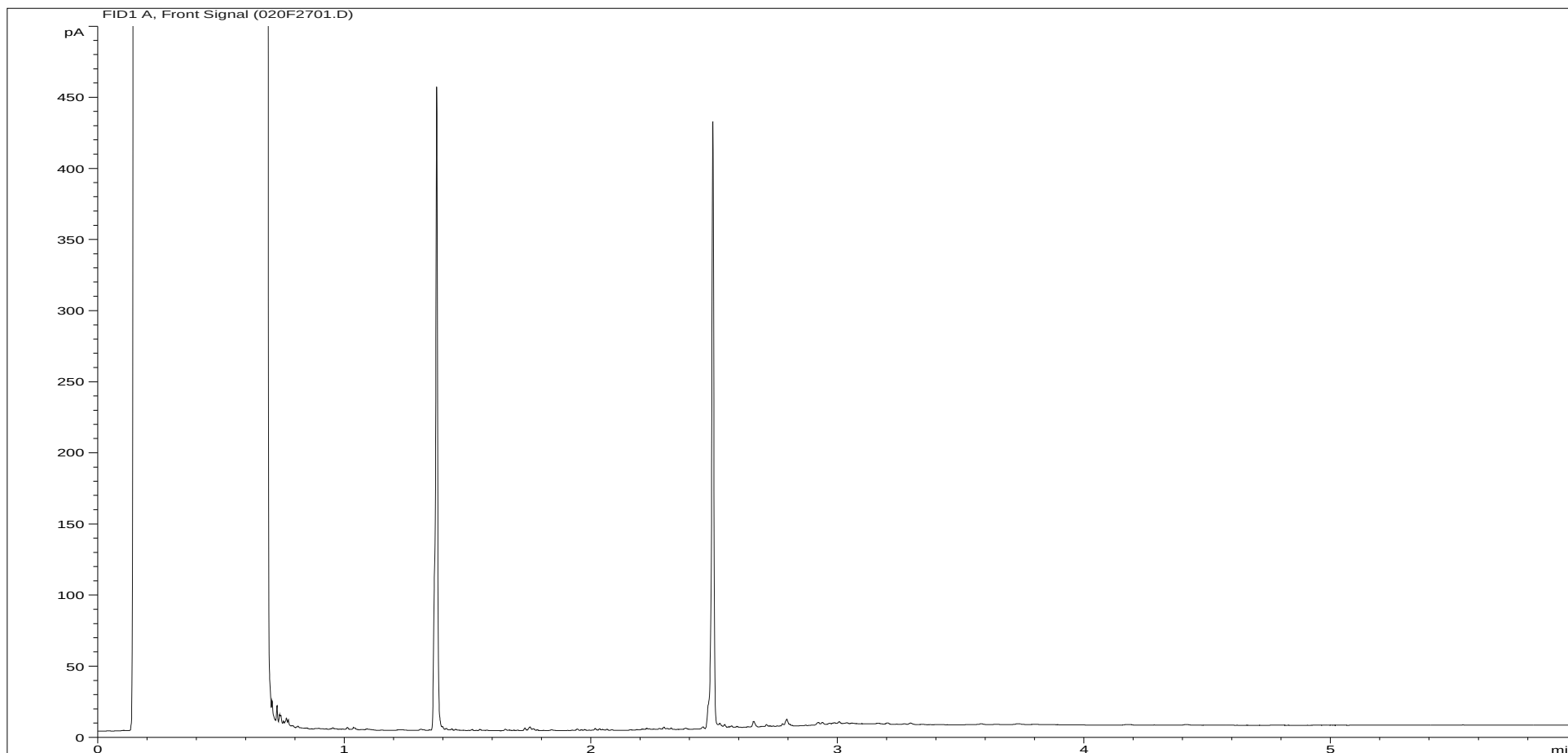
Sample ID:	CL1032131ALI	Job Number:	S10_7296M
Multiplier:	14.04	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP205 ES 9 2.41
Acquisition Date/Time:	29-Oct-10, 14:37:50		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\019F2601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



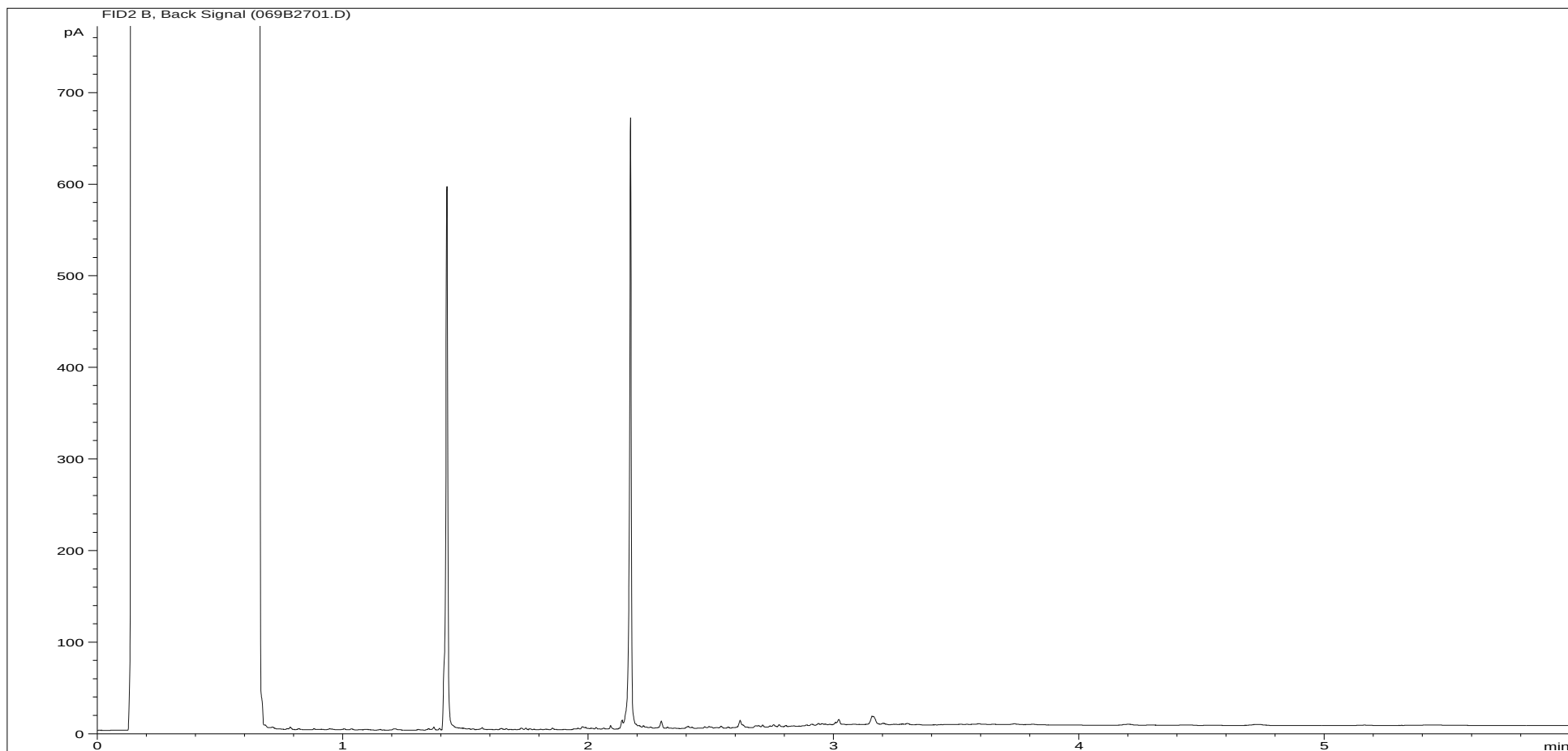
Sample ID:	CL1032131ARO	Job Number:	S10_7296M
Multiplier:	10.08	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP205 ES 9 2.41
Acquisition Date/Time:	29-Oct-10, 14:37:50		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\068B2601.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



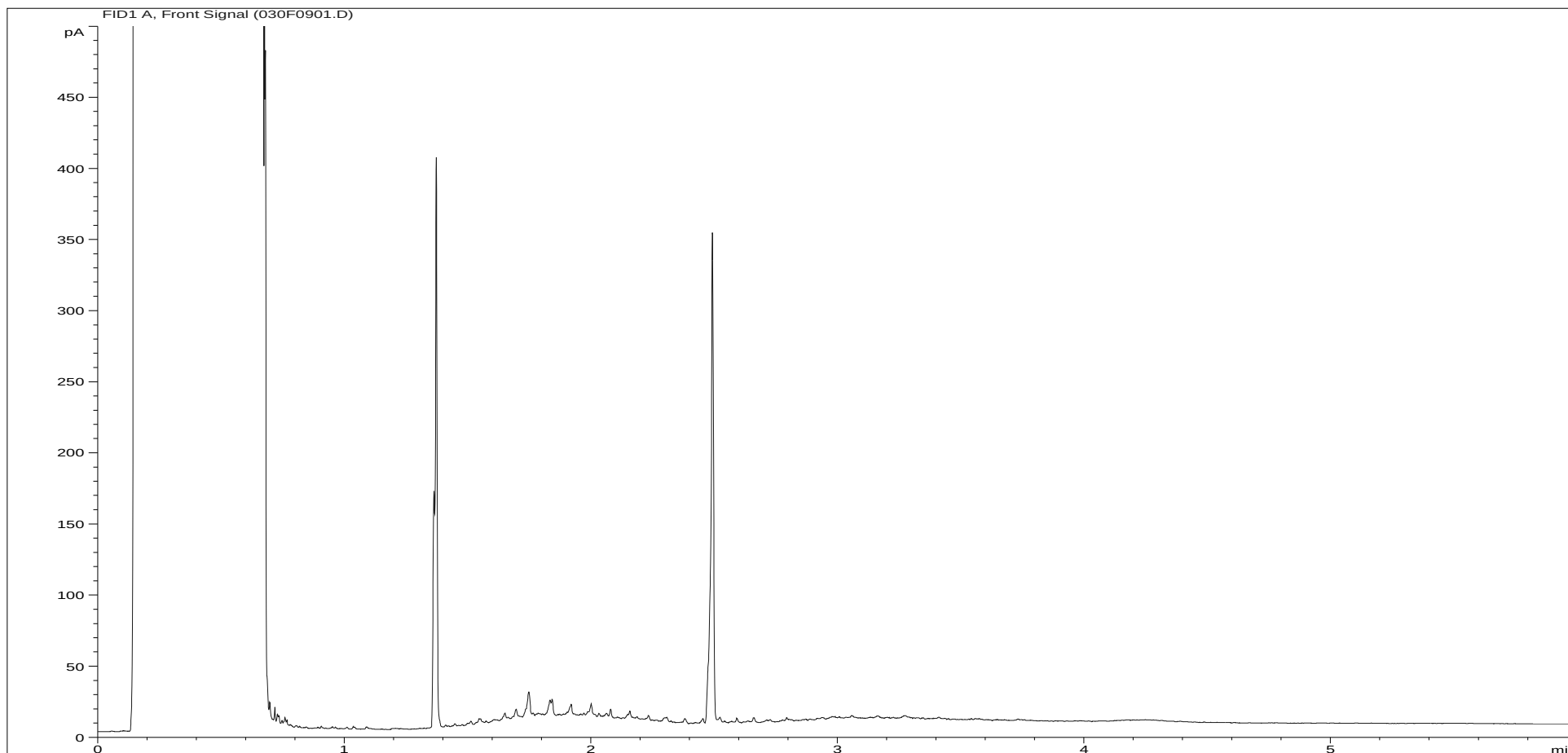
Sample ID:	CL1032132ALI	Job Number:	S10_7296M
Multiplier:	14.82	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP206 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 14:49:41		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\020F2701.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



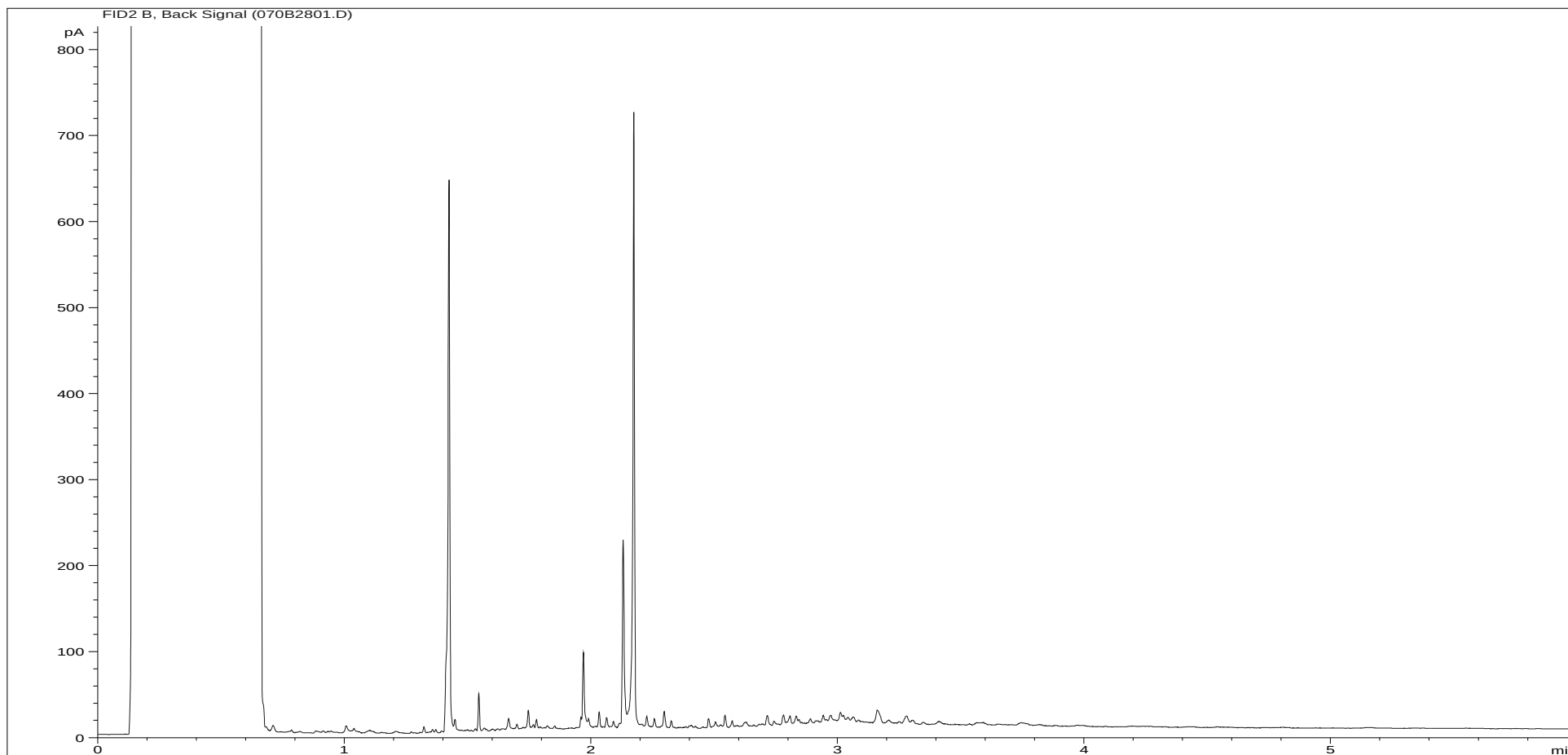
Sample ID:	CL1032132ARO	Job Number:	S10_7296M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP206 ES 1 0.10
Acquisition Date/Time:	29-Oct-10, 14:49:41		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\069B2701.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



Sample ID:	CL1032133ALI	Job Number:	S10_7296M
Multiplier:	15.2	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP206 ES 3 0.60
Acquisition Date/Time:	30-Oct-10, 10:50:26		
Datafile:	D:\TES\DATA\Y2010\1030TPH_GC14\103010 2010-10-30 09-13-51\030F0901.D		

Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID:	CL1032133ARO	Job Number:	S10_7296M
Multiplier:	11.02	Client:	Soil Mechanics
Dilution:	1	Site:	Ferrybridge Multifuel PowerStn
Acquisition Method:	5UL_MAX_RUNF.M	Client Sample Ref:	TP206 ES 3 0.60
Acquisition Date/Time:	29-Oct-10, 15:01:42		
Datafile:	D:\TES\DATA\Y2010\1029TPH_GC14\102910 2010-10-29 08-30-34\070B2801.D		

WASTE ACCEPTANCE CRITERIA TESTING

BSEN 12457/3

Client	Soil Mechanics				Leaching Data	
					Weight of sample (kg)	0.225
Contact	Mr J Huntington				Moisture content @ 105°C (%)	19.4
					Equivalent Weight based on drying at 105°C (kg)	0.182
Site	Ferrybridge Multifuel PowerStn				Volume of water required to carry out 2:1 stage (litres)	0.322
					Weight of Sieved Soil to carry out 2:1 stage (kg)	0.278
Sample Description		Report No	Sample No	Issue Date	Weight of Deionised water to carry out 2:1 stage (kg)	0.397
TP201 ES 5 1.00		s10_7296	CL/1032119	02-Nov-10	Volume to undertake analysis (2:1 Stage) (litres)	0.300
					Weight of Deionised water to carry out 8:1 stage (kg)	1.394

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
	WSLM59	Total Organic Carbon (% M/M)		3	5	6
	LOI450	Loss on Ignition (%)				10
	BTEXHSA	Sum of BTEX (mg/kg)		6		
	PCBUSECD	Sum of 7 Congener PCB's (mg/kg)		1		
	TPHFIDUS	Mineral Oil (mg/kg)		500		
	PAHMSUS	PAH Sum of 17 (mg/kg)		100		
	PHSOIL	pH (pH units)			>6	
	ANC	Acid Neutralisation Capacity (mol/kg) @pH 7			To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	2:1 Leachate	8:1 Leachate	Calculated amount leached @ 2:1	Calculated cumulative amount leached @ 10:1	Landfill Waste Acceptance Criteria Limit Values for BSEN 12457/3 @ L/S 10 litre kg-1 mg/kg (dry weight)		
			mg/l except °°		mg/kg (dry weight)				
U	WSLM3	pH (pH units) °°	8	8.5	Calculated data not UKAS Accredited				
U	WSLM2	Conductivity (µs/cm) °°	280	171					
1	ICPMSW	Arsenic	<0.001	<0.001	<0.002	<0.01	0.5	2	25
N	ICPWATVAR	Barium	0.36	0.39	0.72	3.9	20	100	300
N	ICPMSW	Cadmium	0.0001	<0.0001	0.0002	<0.001	0.04	1	5
N	ICPMSW	Chromium	0.003	0.003	0.006	0.03	0.5	10	70
N	ICPMSW	Copper	0.003	0.006	0.006	0.06	2	50	100
N	ICPMSW	Mercury	<0.0001	<0.0001	<0.0002	<0.001	0.01	0.2	2
N	ICPMSW	Molybdenum	0.002	0.002	0.004	0.02	0.5	10	30
N	ICPMSW	Nickel	<0.001	0.002	<0.002	<0.02	0.4	10	40
N	ICPMSW	Lead	<0.001	0.001	<0.002	<0.01	0.5	10	50
N	ICPMSW	Antimony	<0.001	<0.001	<0.002	<0.01	0.06	0.7	5
N	ICPMSW	Selenium	<0.001	<0.001	<0.002	<0.01	0.1	0.5	7
N	ICPMSW	Zinc	0.134	0.101	0.268	1.06	4	50	200
N	KONENS	Chloride	4	1	8	15	800	15000	25000
N	ISEF	Fluoride	0.9	0.8	1.8	8	10	150	500
N	ICPWATVAR	Sulphate as SO4	32	4	64	86	1000	20000	50000
N	WSLM27	Total Dissolved Solids	218	133	436	1470	4000	60000	100000
N	SFAPI	Phenol Index	<0.05	<0.05	<0.1	<0.5	1		
N	WSLM13	Dissolved Organic Carbon	8.8	5.3	17.6	59	500	800	1000

Template Ver. 1

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING

BSEN 12457/3

Client	Soil Mechanics				Leaching Data	
					Weight of sample (kg)	0.225
Contact	Mr J Huntington				Moisture content @ 105°C (%)	10.7
					Equivalent Weight based on drying at 105°C (kg)	0.200
Site	Ferrybridge Multifuel PowerStn				Volume of water required to carry out 2:1 stage (litres)	0.376
					Weight of Sieved Soil to carry out 2:1 stage (kg)	0.253
Sample Description		Report No	Sample No	Issue Date	Weight of Deionised water to carry out 2:1 stage (kg)	0.422
TP204 ES 4 0.60		s10_7296	CL/1032126	02-Nov-10	Volume to undertake analysis (2:1 Stage) (litres)	0.300
					Weight of Deionised water to carry out 8:1 stage (kg)	1.502

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
	WSLM59	Total Organic Carbon (% M/M)		3	5	6
	LOI450	Loss on Ignition (%)				10
	BTEXHSA	Sum of BTEX (mg/kg)		6		
	PCBUSECD	Sum of 7 Congener PCB's (mg/kg)		1		
	TPHFIDUS	Mineral Oil (mg/kg)		500		
	PAHMSUS	PAH Sum of 17 (mg/kg)		100		
	PHSOIL	pH (pH units)			>6	
	ANC	Acid Neutralisation Capacity (mol/kg) @pH 7			To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	2:1 Leachate	8:1 Leachate	Calculated amount leached @ 2:1	Calculated cumulative amount leached @ 10:1	Landfill Waste Acceptance Criteria Limit Values for BSEN 12457/3 @ L/S 10 litre kg-1 mg/kg (dry weight)		
			mg/l except °°		mg/kg (dry weight)				
U	WSLM3	pH (pH units) °°	8	8.4	Calculated data not UKAS Accredited				
U	WSLM2	Conductivity (µs/cm) °°	961	206					
1	ICPMSW	Arsenic	<0.001	0.001	<0.002	<0.01	0.5	2	25
N	ICPWATVAR	Barium	0.24	0.39	0.48	3.7	20	100	300
N	ICPMSW	Cadmium	0.0001	<0.0001	0.0002	<0.001	0.04	1	5
N	ICPMSW	Chromium	0.004	0.002	0.008	0.02	0.5	10	70
N	ICPMSW	Copper	0.007	0.007	0.014	0.07	2	50	100
N	ICPMSW	Mercury	0.0002	<0.0001	0.0004	<0.001	0.01	0.2	2
N	ICPMSW	Molybdenum	0.006	0.005	0.012	0.05	0.5	10	30
N	ICPMSW	Nickel	0.002	0.001	0.004	0.01	0.4	10	40
N	ICPMSW	Lead	0.002	0.001	0.004	0.01	0.5	10	50
N	ICPMSW	Antimony	0.001	0.001	0.002	0.01	0.06	0.7	5
N	ICPMSW	Selenium	<0.001	<0.001	<0.002	<0.01	0.1	0.5	7
N	ICPMSW	Zinc	0.136	0.106	0.272	1.1	4	50	200
N	KONENS	Chloride	6	1	12	17	800	15000	25000
N	ISEF	Fluoride	0.6	1.1	1.2	10	10	150	500
N	ICPWATVAR	Sulphate as SO4	434	50	868	1075	1000	20000	50000
N	WSLM27	Total Dissolved Solids	750	160	1500	2484	4000	60000	100000
N	SFAPI	Phenol Index	<0.05	<0.05	<0.1	<0.5	1		
N	WSLM13	Dissolved Organic Carbon	11	6.2	22	69	500	800	1000

Template Ver. 1

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING

BSEN 12457/3

Client	Soil Mechanics				Leaching Data	
					Weight of sample (kg)	0.225
Contact	Mr J Huntington				Moisture content @ 105°C (%)	9.6
					Equivalent Weight based on drying at 105°C (kg)	0.203
Site	Ferrybridge Multifuel PowerStn				Volume of water required to carry out 2:1 stage (litres)	0.383
					Weight of Sieved Soil to carry out 2:1 stage (kg)	0.250
Sample Description		Report No	Sample No	Issue Date	Weight of Deionised water to carry out 2:1 stage (kg)	0.425
TP205 ES 6 1.00		s10_7296	CL/1032130	02-Nov-10	Volume to undertake analysis (2:1 Stage) (litres)	0.300
					Weight of Deionised water to carry out 8:1 stage (kg)	1.515

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
	WSLM59	Total Organic Carbon (% M/M)		3	5	6
	LOI450	Loss on Ignition (%)				10
	BTEXHSA	Sum of BTEX (mg/kg)		6		
	PCBUSECD	Sum of 7 Congener PCB's (mg/kg)		1		
	TPHFIDUS	Mineral Oil (mg/kg)		500		
	PAHMSUS	PAH Sum of 17 (mg/kg)		100		
	PHSOIL	pH (pH units)			>6	
	ANC	Acid Neutralisation Capacity (mol/kg) @pH 7			To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	2:1 Leachate	8:1 Leachate	Calculated amount leached @ 2:1	Calculated cumulative amount leached @ 10:1	Landfill Waste Acceptance Criteria Limit Values for BSEN 12457/3 @ L/S 10 litre kg-1 mg/kg (dry weight)		
			mg/l except °°		mg/kg (dry weight)				
U	WSLM3	pH (pH units) °°	8.1	8.7	Calculated data not UKAS Accredited				
U	WSLM2	Conductivity (µs/cm) °°	568	117					
1	ICPMSW	Arsenic	<0.001	<0.001	<0.002	<0.01	0.5	2	25
N	ICPWATVAR	Barium	0.31	0.28	0.62	2.8	20	100	300
N	ICPMSW	Cadmium	<0.0001	<0.0001	<0.0002	<0.001	0.04	1	5
N	ICPMSW	Chromium	0.002	0.001	0.004	0.01	0.5	10	70
N	ICPMSW	Copper	0.003	0.004	0.006	0.04	2	50	100
N	ICPMSW	Mercury	<0.0001	<0.0001	<0.0002	<0.001	0.01	0.2	2
N	ICPMSW	Molybdenum	0.004	0.004	0.008	0.04	0.5	10	30
N	ICPMSW	Nickel	0.001	0.001	0.002	0.01	0.4	10	40
N	ICPMSW	Lead	<0.001	0.001	<0.002	<0.01	0.5	10	50
N	ICPMSW	Antimony	<0.001	<0.001	<0.002	<0.01	0.06	0.7	5
N	ICPMSW	Selenium	<0.001	<0.001	<0.002	<0.01	0.1	0.5	7
N	ICPMSW	Zinc	0.106	0.059	0.212	0.66	4	50	200
N	KONENS	Chloride	14	2	28	38	800	15000	25000
N	ISEF	Fluoride	0.7	1.1	1.4	10	10	150	500
N	ICPWATVAR	Sulphate as SO4	117	14	234	293	1000	20000	50000
N	WSLM27	Total Dissolved Solids	443	94	886	1457	4000	60000	100000
N	SFAPI	Phenol Index	<0.05	<0.05	<0.1	<0.5	1		
N	WSLM13	Dissolved Organic Carbon	7.7	5.6	15.4	59	500	800	1000

Template Ver. 1

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

WASTE ACCEPTANCE CRITERIA TESTING

BSEN 12457/3

Client	Soil Mechanics				Leaching Data	
					Weight of sample (kg)	0.225
Contact	Mr J Huntington				Moisture content @ 105°C (%)	11.0
					Equivalent Weight based on drying at 105°C (kg)	0.200
Site	Ferrybridge Multifuel PowerStn				Volume of water required to carry out 2:1 stage (litres)	0.376
					Weight of Sieved Soil to carry out 2:1 stage (kg)	0.253
Sample Description		Report No	Sample No	Issue Date	Weight of Deionised water to carry out 2:1 stage (kg)	0.422
TP206 ES 10 2.00		s10_7296	CL/1032134	02-Nov-10	Volume to undertake analysis (2:1 Stage) (litres)	0.300
					Weight of Deionised water to carry out 8:1 stage (kg)	1.502

Accreditation	Method Code	Solid Waste Analysis (Dry Basis)	Concentration in Solid (Dry Weight Basis)	Landfill Waste Acceptance Criteria Limit Values		
				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
	WSLM59	Total Organic Carbon (% M/M)		3	5	6
	LOI450	Loss on Ignition (%)				10
	BTEXHSA	Sum of BTEX (mg/kg)		6		
	PCBUSECD	Sum of 7 Congener PCB's (mg/kg)		1		
	TPHFIDUS	Mineral Oil (mg/kg)		500		
	PAHMSUS	PAH Sum of 17 (mg/kg)		100		
	PHSOIL	pH (pH units)			>6	
	ANC	Acid Neutralisation Capacity (mol/kg) @pH 7			To be evaluated	To be evaluated

Accreditation	Method Code	Leachate Analysis	2:1 Leachate	8:1 Leachate	Calculated amount leached @ 2:1	Calculated cumulative amount leached @ 10:1	Landfill Waste Acceptance Criteria Limit Values for BSEN 12457/3 @ L/S 10 litre kg-1 mg/kg (dry weight)		
			mg/l except °°		mg/kg (dry weight)				
U	WSLM3	pH (pH units) °°	8.3	8.1	Calculated data not UKAS Accredited				
U	WSLM2	Conductivity (µs/cm) °°	341	109					
1	ICPMSW	Arsenic	<0.001	<0.001	<0.002	<0.01	0.5	2	25
N	ICPWATVAR	Barium	0.41	0.31	0.82	3.2	20	100	300
N	ICPMSW	Cadmium	<0.0001	<0.0001	<0.0002	<0.001	0.04	1	5
N	ICPMSW	Chromium	0.003	0.002	0.006	0.02	0.5	10	70
N	ICPMSW	Copper	0.003	0.003	0.006	0.03	2	50	100
N	ICPMSW	Mercury	<0.0001	<0.0001	<0.0002	<0.001	0.01	0.2	2
N	ICPMSW	Molybdenum	0.002	0.005	0.004	0.05	0.5	10	30
N	ICPMSW	Nickel	<0.001	<0.001	<0.002	<0.01	0.4	10	40
N	ICPMSW	Lead	<0.001	<0.001	<0.002	<0.01	0.5	10	50
N	ICPMSW	Antimony	<0.001	<0.001	<0.002	<0.01	0.06	0.7	5
N	ICPMSW	Selenium	<0.001	<0.001	<0.002	<0.01	0.1	0.5	7
N	ICPMSW	Zinc	0.128	0.085	0.256	0.91	4	50	200
N	KONENS	Chloride	5	1	10	16	800	15000	25000
N	ISEF	Fluoride	0.6	0.7	1.2	7	10	150	500
N	ICPWATVAR	Sulphate as SO4	42	9	84	139	1000	20000	50000
N	WSLM27	Total Dissolved Solids	266	85	532	1121	4000	60000	100000
N	SFAPI	Phenol Index	<0.05	<0.05	<0.1	<0.5	1		
N	WSLM13	Dissolved Organic Carbon	7.3	4.5	14.6	49	500	800	1000

Template Ver. 1

Landfill Waste Acceptance Criteria limit values correct as of 11th March 2009.

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	GROHSA	As Received	Determination of Total Gasoline Range Organics Hydrocarbons (GRO) by Headspace GCFID
Soil	ICPBOR	Air Dried	Determination of Boron in soil samples by hot water extraction followed by ICPOES detection
Soil	ICPMSS	Air Dried	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	PAHMSUS	As Received	Determination of Polycyclic Aromatic Hydrocarbons (PAH) by hexane/acetone extraction followed by GCMS detection
Soil	PCBUSECD	Air Dried	Determination of Polychlorinated Biphenyl (PCB) congeners/arocloris by hexane/acetone extraction followed by GCECD detection
Soil	PHSOIL	As Received	Determination of pH of 2.5:1 deionised water to soil extracts using pH probe.
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SSL	Air Dried	Acid Dichromate oxidation of the sample followed by colorimetric analysis of the extract
Soil	Subcon*	*	Contact Laboratory for details of the methodology used by the sub-contractor.
Soil	TMSS	As Received	Determination of the Total Moisture content at 105°C by loss on oven drying gravimetric analysis
Soil	TPHUSSI	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection including quantitation of Aromatic and Aliphatic fractions.

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,

- Results expressed as mg/kg have been calculated on an air dried basis
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Oil analysis specific

Unless stated otherwise,

- Results are expressed as mg/kg
- SG is expressed as g/cm³@ 15°C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile

CR Denotes Crocidolite

AM Denotes Amosite

NAIIS No Asbestos Identified in Sample

Symbol Reference

[^] Sub-contracted analysis. Note: The accreditation status is that assigned by the subcontract laboratory.

\$\$ Unable to analyse due to the nature of the sample

¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols.

This may have resulted in deterioration of the sample(s) during transit to the laboratory.

Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling

¥ Results for guidance only due to possible interference

& Blank corrected result

I.S Insufficient sample to complete requested analysis

I.S(g) Insufficient sample to re-analyse, results for guidance only

Intf Unable to analyse due to interferences

N.D Not determined

N.Det Not detected

Req Analysis requested, see attached sheets for results

▮ Raised detection limit due to nature of the sample

***** All accreditation has been removed by the laboratory for this result

‡ MCERTS accreditation has been removed for this result

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

END OF REPORT

Sample Descriptions

Client : Soil Mechanics
Site : Ferrybridge Multifuel PowerStn
Report Number : S10_7296M

Note: major constituent in upper case

[illegible]