

Our Ref: EFS/085713M (Ver. 1)

Your Ref: H8076

September 26, 2008



TES Bretby
PO Box 100
Bretby Business Park
Ashby Road
Burton-on-Trent
Staffordshire
DE15 0XD

Telephone: 01283 554400
Facsimile: 01283 554422

Mr H Woodroffe
Soil Mechanics
Unit 15
Crosby Yard
Bridgend
Mid Glamorgan
CF31 1JZ

For the attention of Mr H Woodroffe

Dear Mr Woodroffe

SOIL Sample Analysis - Hirwaun Industrial Estate

Samples from the above site have been analysed in accordance with the schedule supplied.
The sample details and the results of analyses for these samples are given in the appended report.

An invoice for this work will follow under a separate cover.

Where appropriate the samples will be kept until 17/10/08 when they will be discarded. Please call 01283 554403 for an extension of this date.
Please be aware that from 1 January 2003 our policy for the retention of paper based laboratory records and analysis reports will be 6 years.

The work was carried out in accordance with Scientifics Ltd Standard Terms and Conditions of Contract.

If I can be of any further assistance please do not hesitate to contact me.

Yours sincerely

for TES Bretby

A handwritten signature in black ink that reads 'J. Hannah'.

J Hannah
Project Co-ordinator
01283 554403



TEST REPORT

SOIL SAMPLE ANALYSIS



TES Report No. EFS/085713M (Ver. 1)

Soil Mechanics
Unit 15
Crosby Yard
Bridgend
Mid Glamorgan
CF31 1JZ

Site: Hirwaun Industrial Estate

The 11 samples described in this report were logged for analysis by TES Bretby on 05-Sep-2008.
The analysis was completed by: 26-Sep-2008

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 TES Bretby Laboratories.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 4)
Table of PCB Congener (12) Results (Page 5)
Table of TPH Texas banding (std) (Page 6)
GC-FID Chromatograms (Pages 7 to 17)
Table of Report Notes (Page 18)

On behalf of
TES Bretby :
J Hannah

J. Hannah
Project Co-ordinator

Date of Issue: 26-Sep-2008

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

Tests marked 'A' 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)
TES Bretby accepts no responsibility for any sampling not carried out by our personnel.

Where individual results are flagged see report notes for for status.

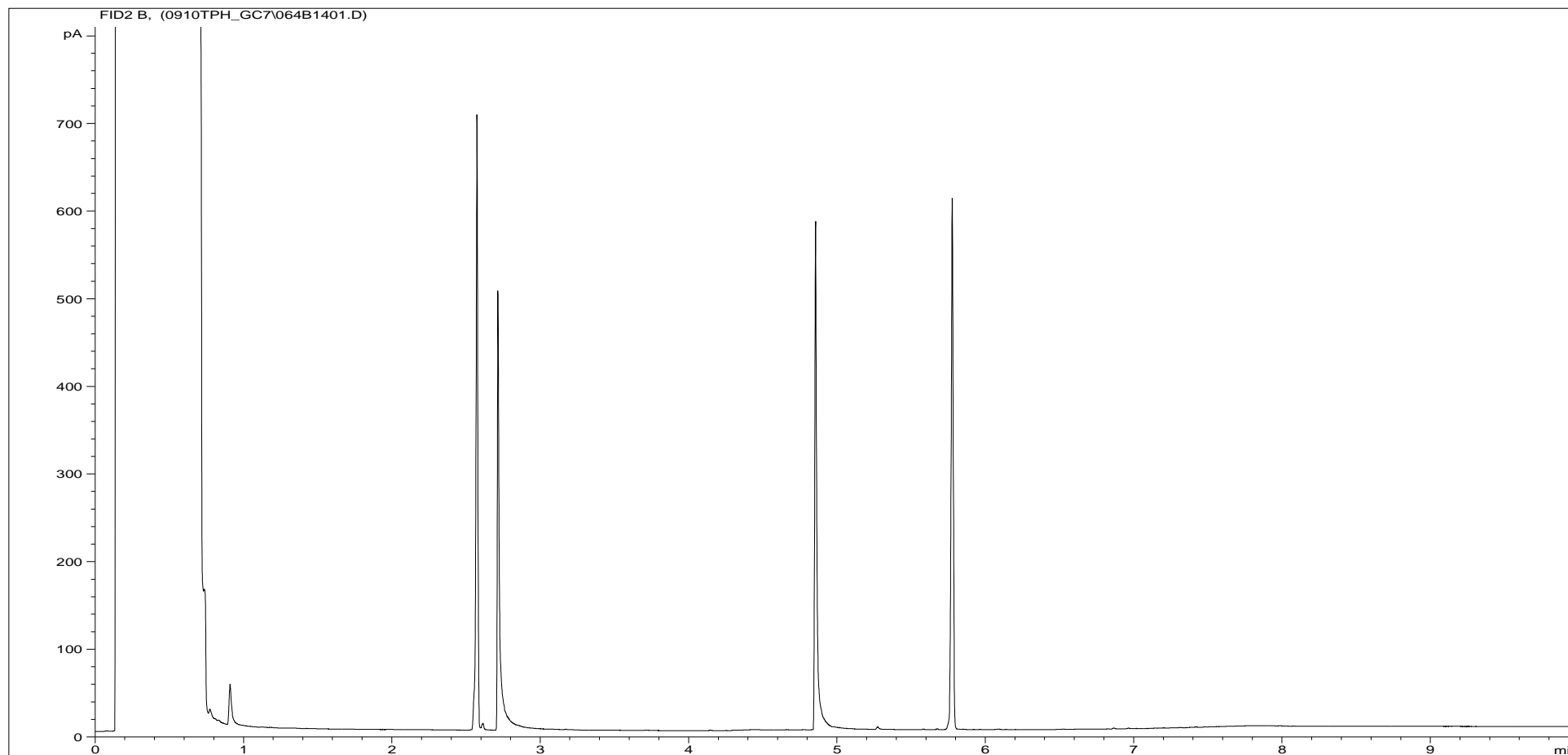
Total Petroleum Hydrocarbons (TPH) Carbon Ranges

Customer and Site Details: Soil Mechanics : Hirwaun Industrial Estate
Job Number: S08_5713M
QC Batch Number: 83209
Directory: D:\TES\DATA\Y2008\0910TPH_GC7\074B2501.D
Method: Ultra Sonic
Accreditation code: U

Matrix: Soil
Date Booked in: 05-Sep-08
Date Extracted: 09-Sep-08
Date Analysed: 10-Sep-08

| Sample ID | Client ID | Concentration, (mg/kg) - as dry weight. | | | | |
|-----------|----------------------|---|------------|------------|------------|------------|
| | | >C8 - C10 | >C10 - C12 | >C12 - C16 | >C16 - C21 | >C21 - C35 |
| CL0826248 | TP11 ES 4 2.30 | <2 | <2 | <2 | <2 | <5.21 |
| CL0826249 | TP11A ES 2 0.50 | <2 | <2 | 3.06 | <2 | <5.02 |
| CL0826250 | TP12 ES 1 0.30 | <2 | <2 | 2.64 | <2 | <4.95 |
| CL0826251 | TP12A ES 1 0.20 | <2 | <2 | 2 | <2 | 37.2 |
| CL0826252 | TP14 ES 1 0.30 | <3 | <3 | <3 | 2.62 | 37.6 |
| CL0826253 | TP15 ES 1 0.30 | <3 | <3 | 3.03 | <3 | <5.58 |
| CL0826254 | TP15 ES 2 0.70 | <2 | <2 | 4.51 | <2 | 65.8 |
| CL0826255 | TP16 ES 1 0.30 (NVM) | <2 | <2 | 2.43 | <2 | 6.87 |
| CL0826256 | TP16 ES 2 1.00 | <2 | <2 | 3.23 | <2 | 6.59 |
| CL0826257 | TP17 ES 1 0.30 | <3 | <3 | 3.11 | <3 | 7.37 |
| CL0826258 | TP17 ES 3 1.20 | <3 | <3 | <3 | <3 | 26.7 |
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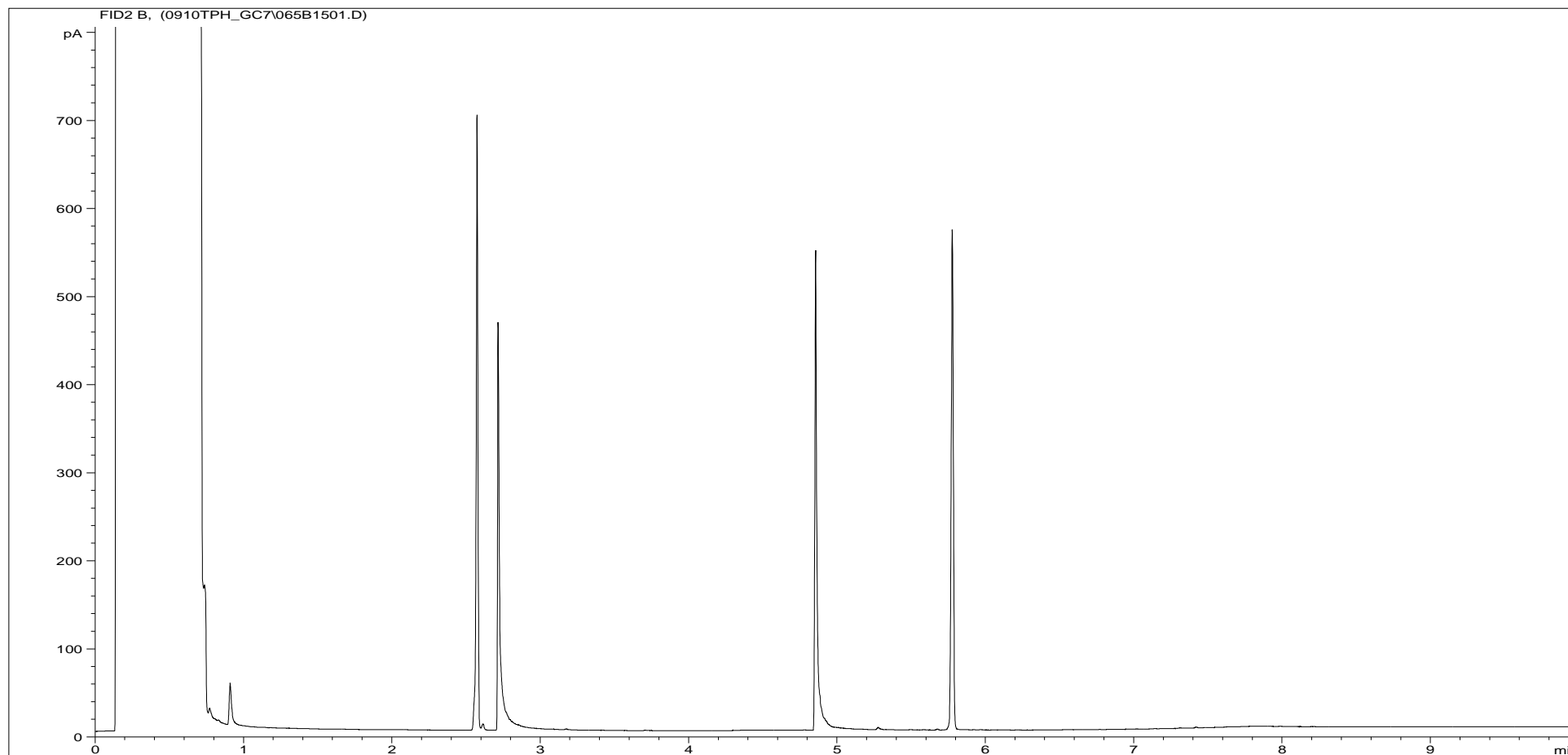
Petroleum Hydrocarbons (C8 to C40) by GC/FID



| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826248 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP11 ES 4 2.30 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\064B1401.D | | |

Where individual results are flagged see report notes for for status.

Petroleum Hydrocarbons (C8 to C40) by GC/FID



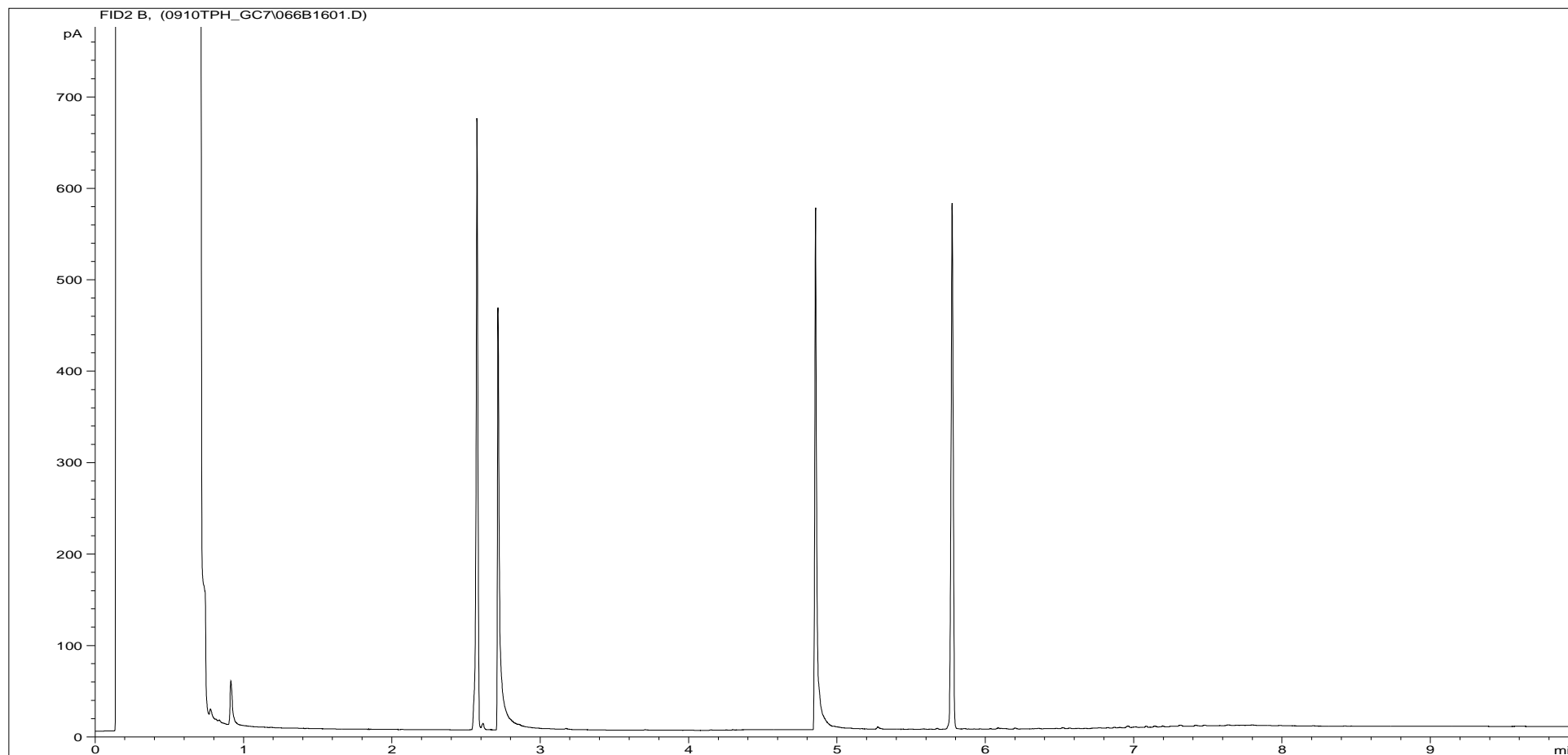
| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826249 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP11A ES 2 0.50 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\065B1501.D | | |

Where individual results are flagged see report notes for for status.

Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

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Petroleum Hydrocarbons (C8 to C40) by GC/FID



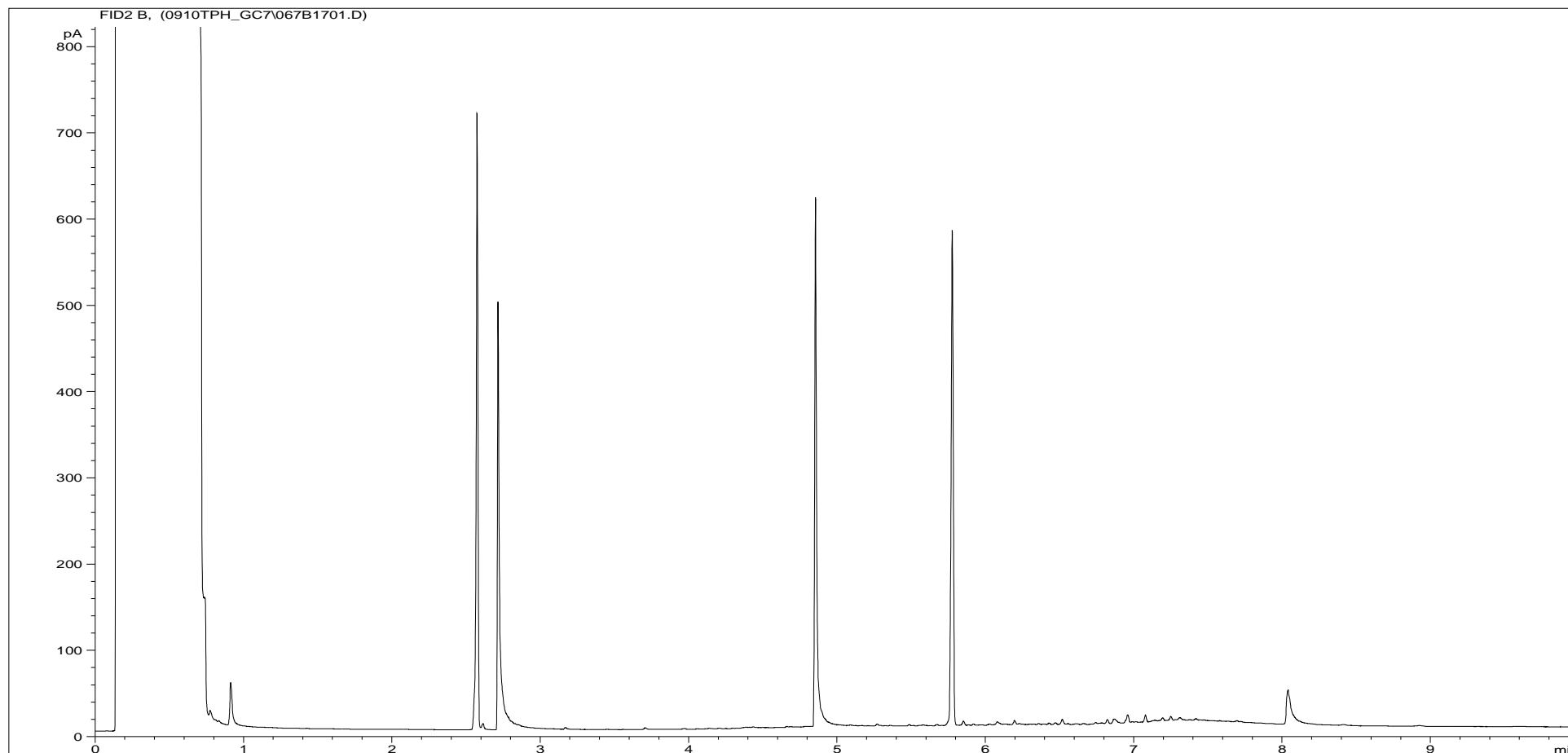
| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826250 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP12 ES 1 0.30 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\066B1601.D | | |

Where individual results are flagged see report notes for for status.

Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

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Petroleum Hydrocarbons (C8 to C40) by GC/FID



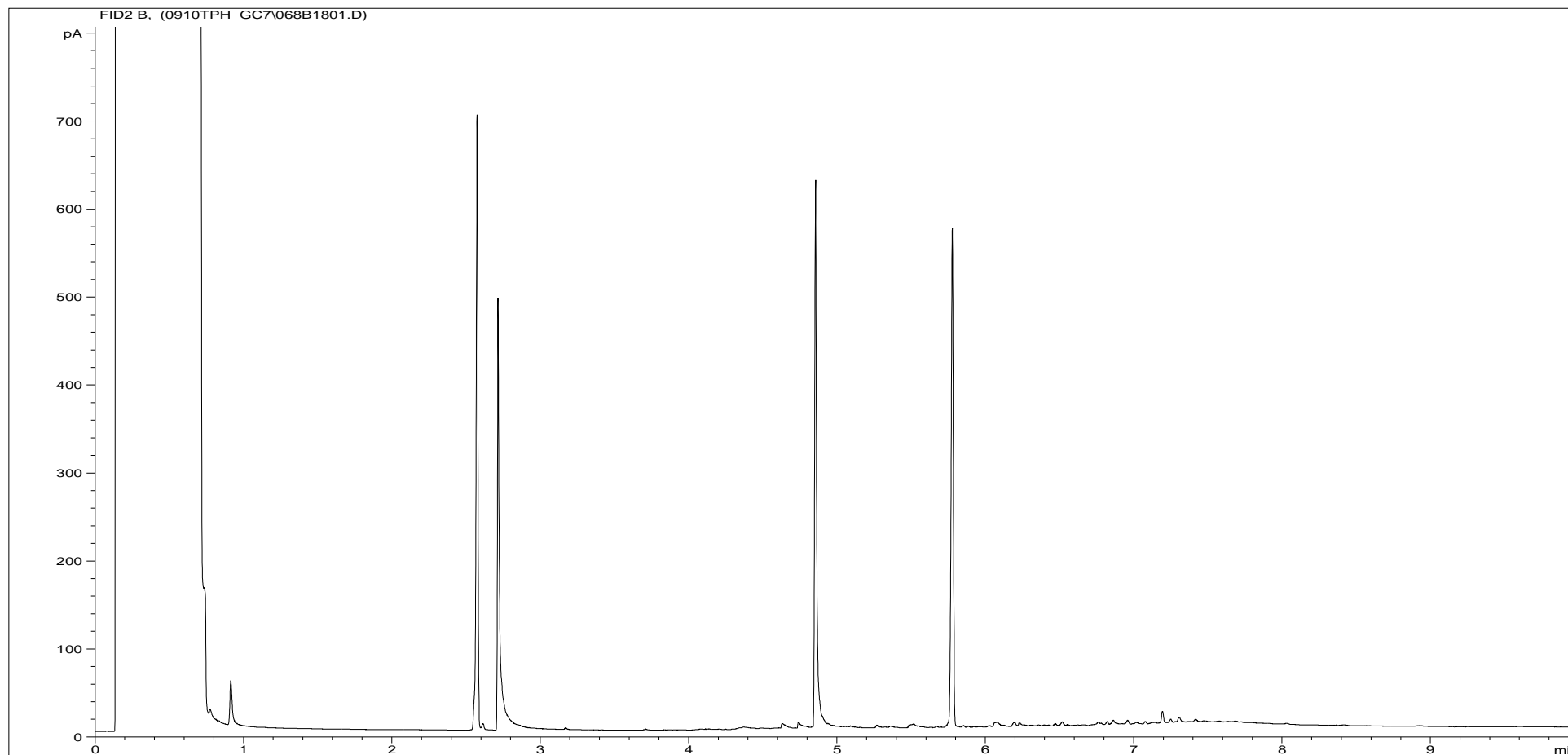
| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826251 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP12A ES 1 0.20 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\067B1701.D | | |

Where individual results are flagged see report notes for for status.

Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

EFS/085713M Ver. 1

Petroleum Hydrocarbons (C8 to C40) by GC/FID



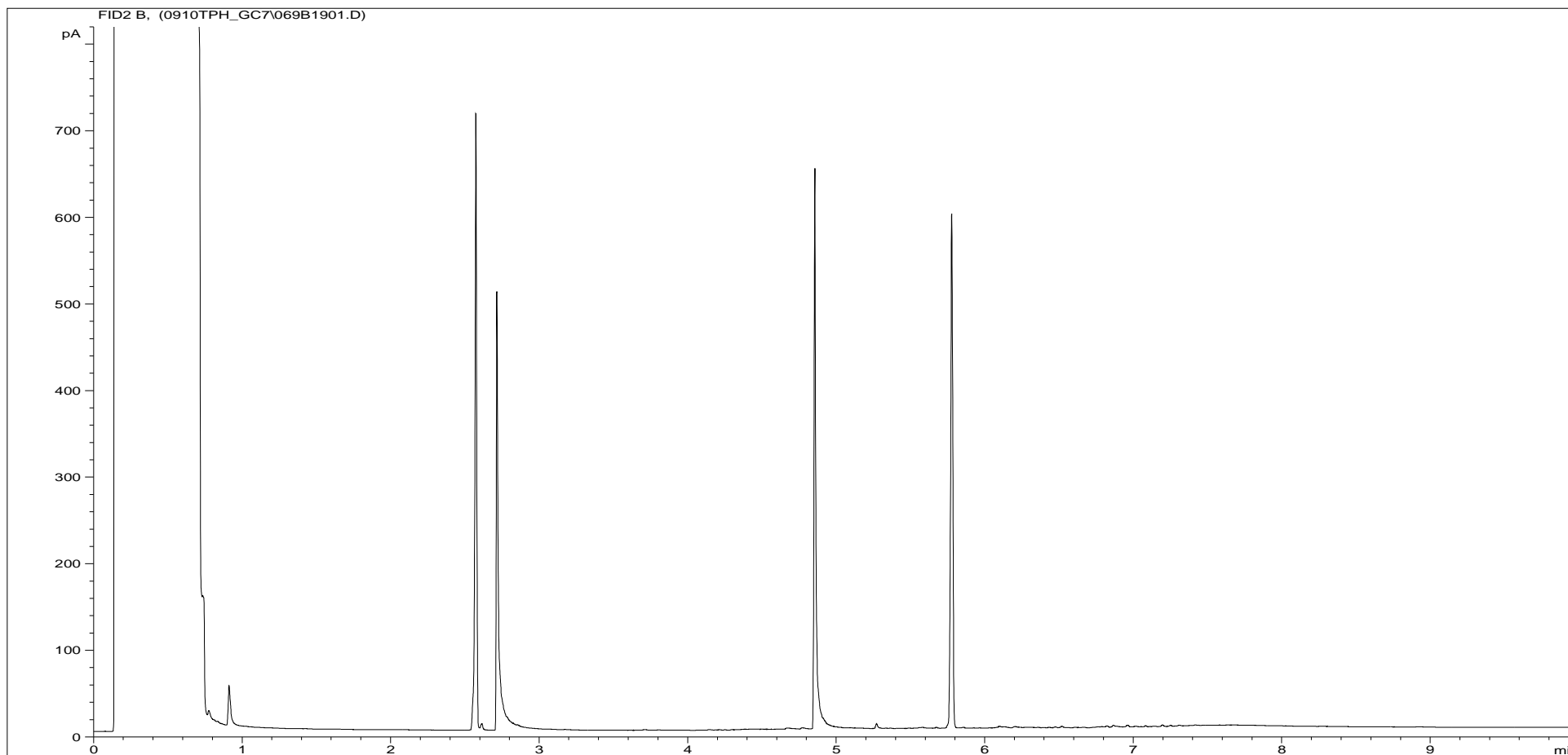
| | | | |
|-------------------------------|---|---------------------------|---------------------------|
| Sample ID: | CL0826252 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP14 ES 1 0.30 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7068B1801.D | | |

Where individual results are flagged see report notes for for status.

Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

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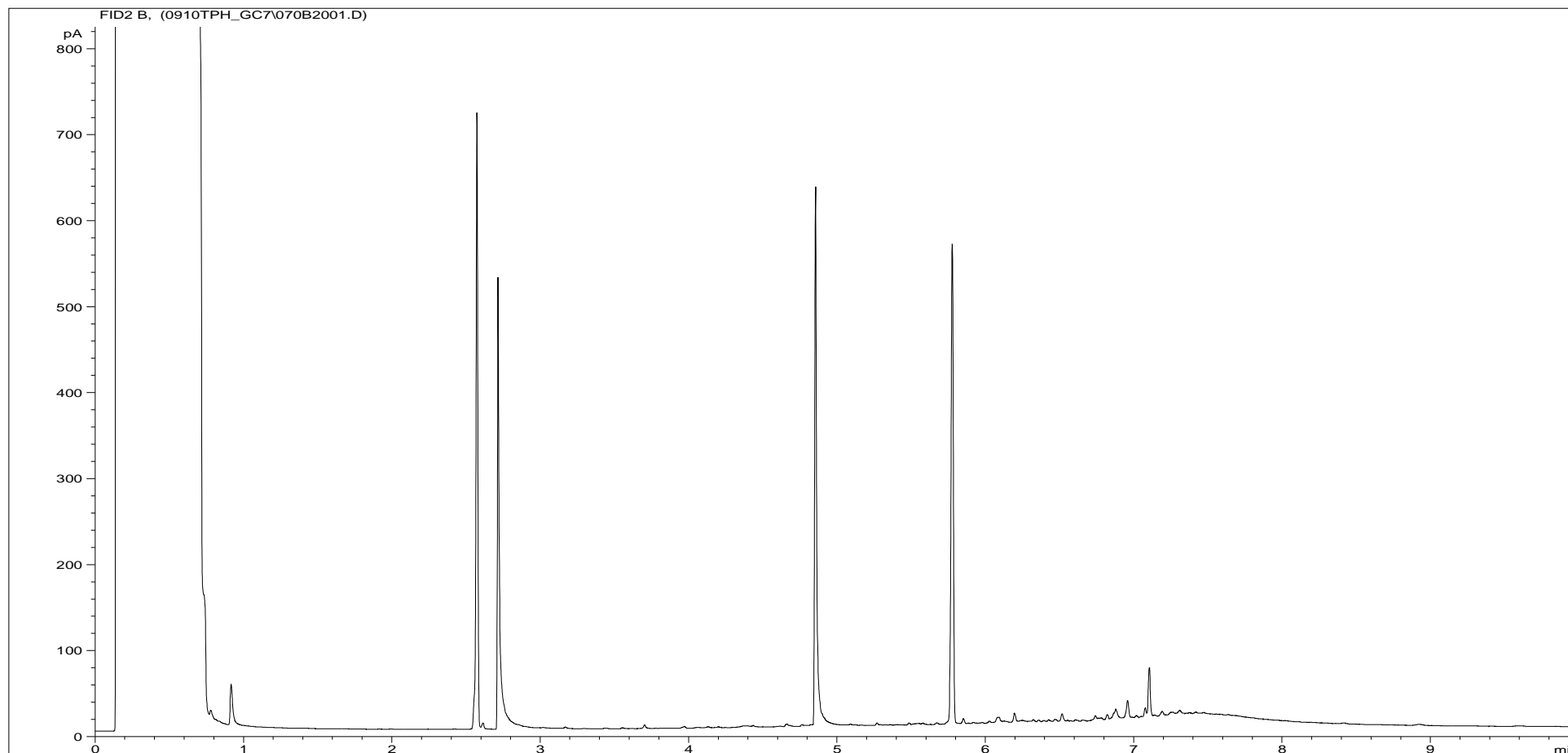
Petroleum Hydrocarbons (C8 to C40) by GC/FID



| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826253 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP15 ES 1 0.30 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\069B1901.D | | |

Where individual results are flagged see report notes for for status.

Petroleum Hydrocarbons (C8 to C40) by GC/FID



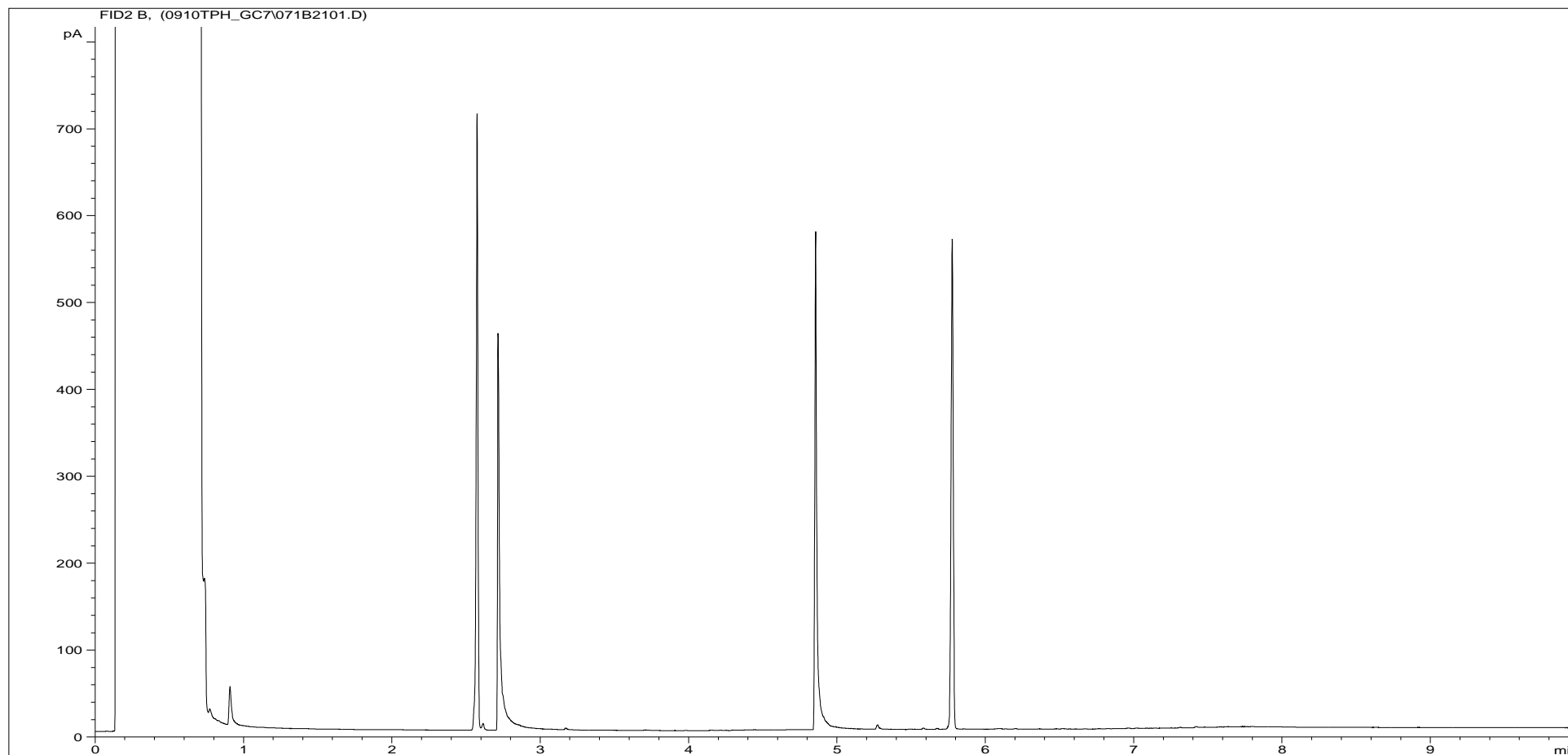
| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826254 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP15 ES 2 0.70 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\070B2001.D | | |

Where individual results are flagged see report notes for for status.

Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

EFS/085713M Ver. 1

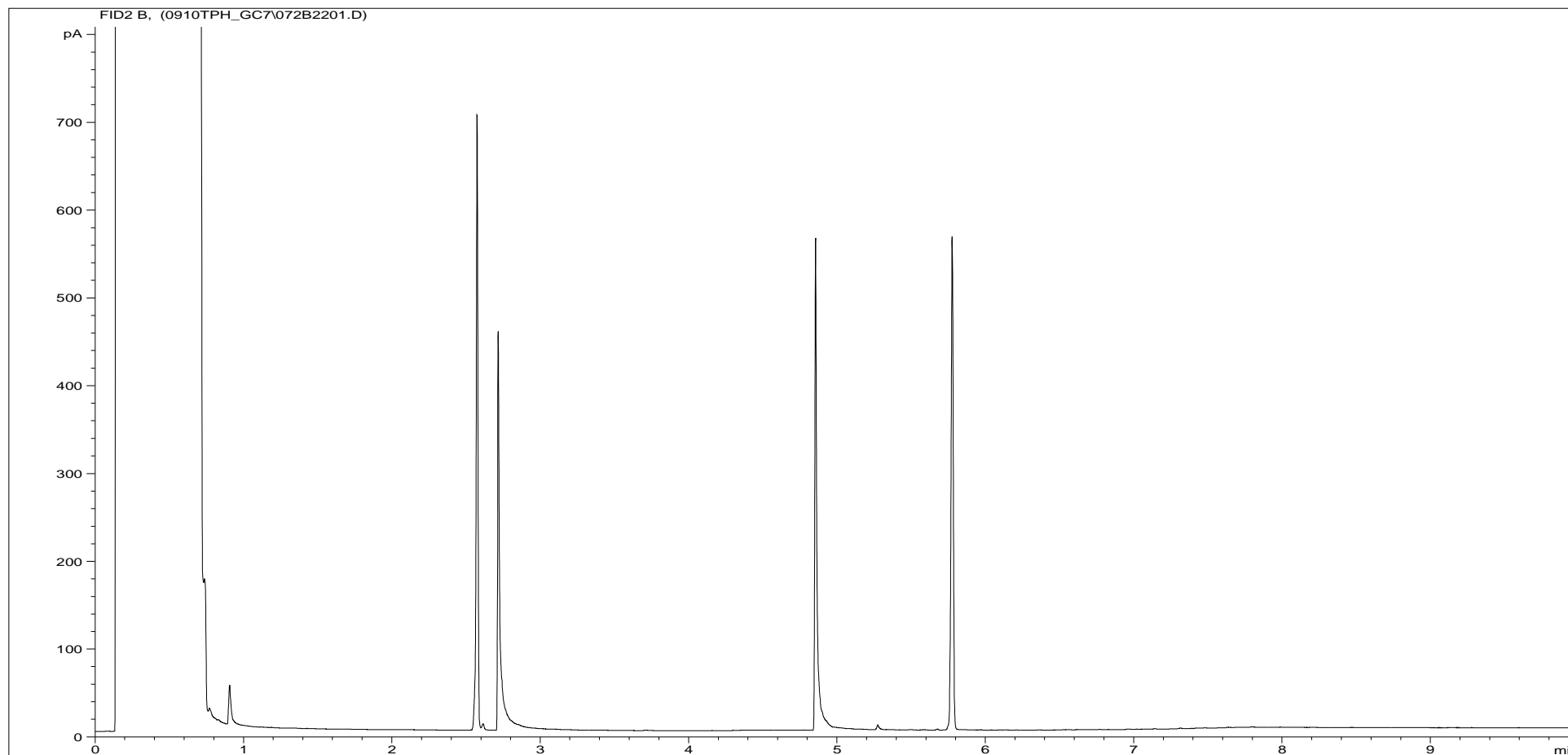
Petroleum Hydrocarbons (C8 to C40) by GC/FID



| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826255 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP16 ES 1 0.30 (NVM) |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\071B2101.D | | |

Where individual results are flagged see report notes for for status.

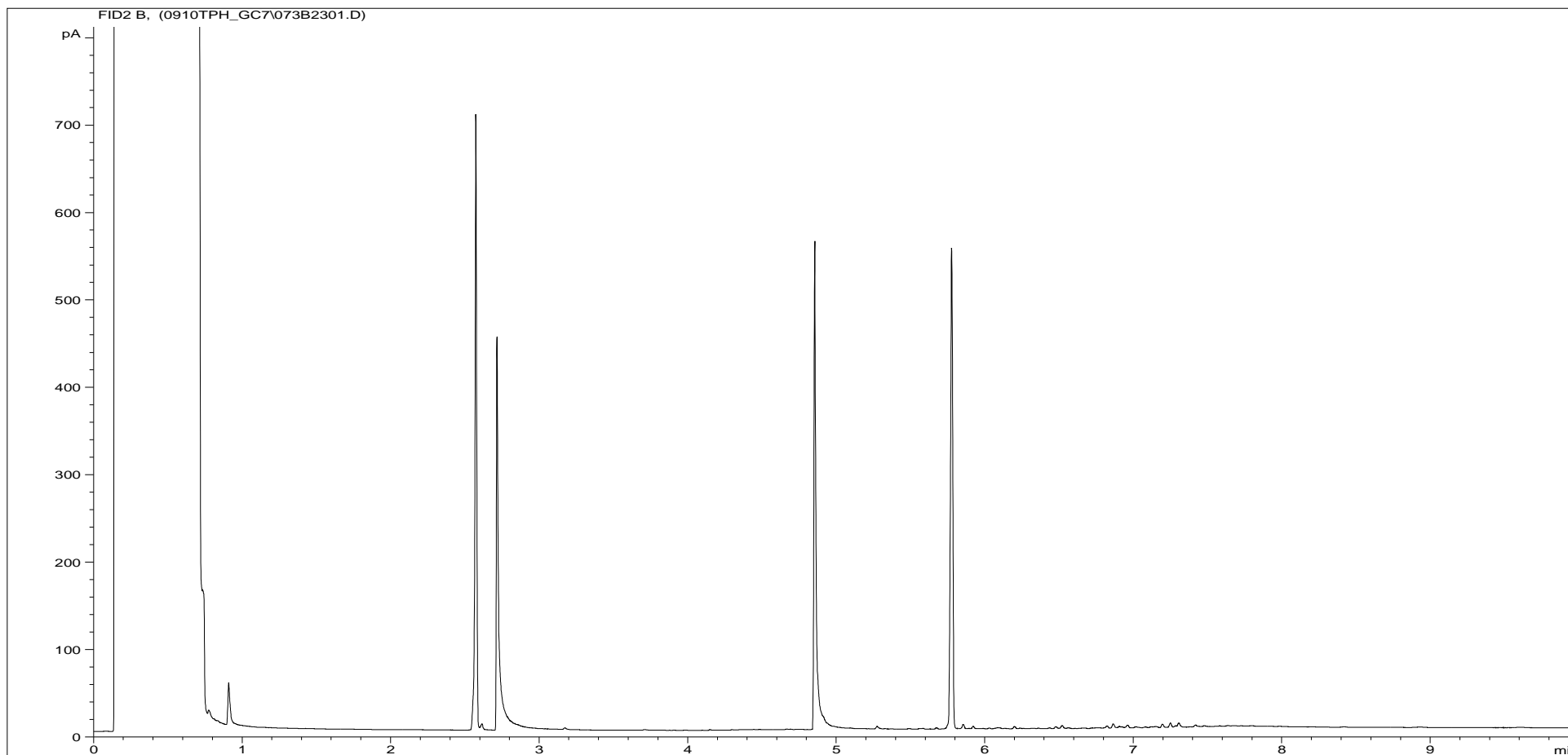
Petroleum Hydrocarbons (C8 to C40) by GC/FID



| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826256 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP16 ES 2 1.00 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\072B2201.D | | |

Where individual results are flagged see report notes for for status.

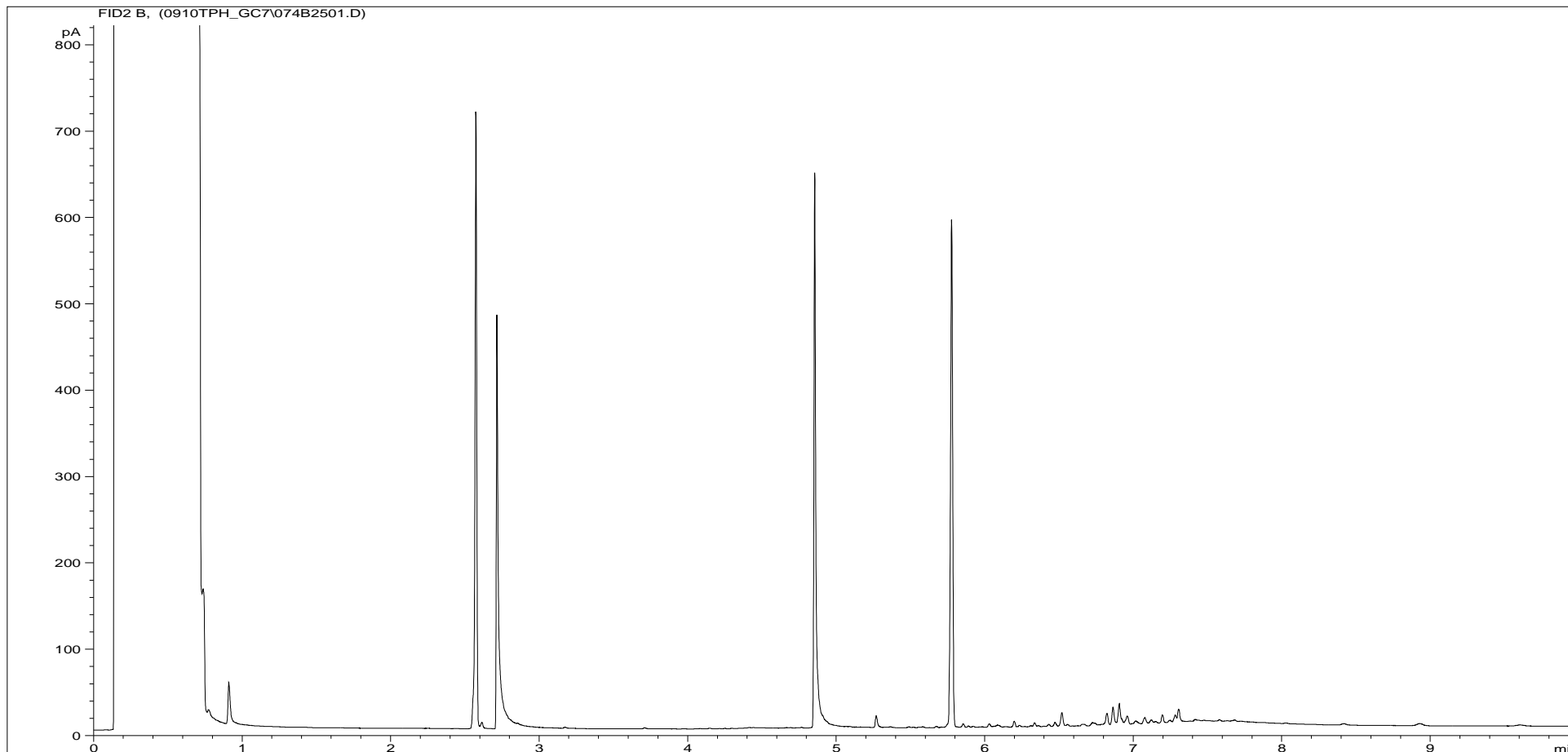
Petroleum Hydrocarbons (C8 to C40) by GC/FID



| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826257 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP17 ES 1 0.30 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\073B2301.D | | |

Where individual results are flagged see report notes for for status.

Petroleum Hydrocarbons (C8 to C40) by GC/FID



| | | | |
|-------------------------------|--|---------------------------|---------------------------|
| Sample ID: | CL0826258 | Job Number: | S08_5713M |
| Multiplier: | 8 | Client: | Soil Mechanics |
| Dilution: | 1 | Site: | Hirwaun Industrial Estate |
| Acquisition Method: | 5UL_RUNFNORACE.M | Client Sample Ref: | TP17 ES 3 1.20 |
| Acquisition Date/Time: | 10-Sep-08 | | |
| Datafile: | D:\TES\DATA\Y2008\0910TPH_GC7\074B2501.D | | |

Where individual results are flagged see report notes for for status.

Report Notes

Soil/Solid analysis specific:

S04 analysis not conducted in accordance with BS1377 unless otherwise stated
Water Soluble Sulphate on 2:1 water:soil extract
AR denotes analysis conducted on the As Received sample

Water analysis specific:

Results expressed as mg/l unless stated otherwise

Oil analysis specific:

Results expressed as mg/kg unless stated otherwise
S.G. expressed as g/cm³ @ 15°C

Filter analysis specific:

Results expressed as mg on filter unless stated otherwise

VOC analysis specific:

Explanatory notes for data flagging
U = undetected above reporting limit
J = concentration at instrument was below lowest calibration standard
E = concentration at instrument was above top calibration standard
B = compound was detected in method blank

Gas (Tedlar bag) analysis specific:

Results expressed as ug/l unless stated otherwise

Air (Carbon tube) analysis specific:

Results expressed as ug on tube unless stated otherwise

Asbestos analysis specific:

CH denotes Chrysotile
CR denotes Crocidolite
AM denotes Amosite
NADIS denotes No Asbestos Detected in Sample
NBFO denotes No Bulk fibres Observed

General notes:

^ this analysis was subcontracted to another laboratory
\$ Within laboratory tolerances
\$\$ unable to analyse due to nature of sample
¥ Results for guidance only, possible interference
& Blank corrected
I.S insufficient sample for analysis
Intf Unable to analyse due to interferences
N.D Not determined
N.R Not recorded
N.Det Not detected
Req Analysis Requested, see attached sheets for results
p Raised detection limit due to nature of sample
***** denotes that all accreditation has been removed by the laboratory for this result.
‡ denotes that Mcerts accreditation has been removed by the laboratory 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 you require further details of the circumstances leading to the removal of the accreditation from any data item please do not hesitate to contact the laboratory

END OF REPORT