



9. ANALYSIS CERTIFICATES, GROUNDWATER AND SURFACE WATER



Our Ref: Redcar
Your Ref: C00520017
Date: 15/06/04

TES Bretby

PO Box 100
Ashby Road
Burton-upon-Trent
Staffordshire
DE15 0XD

Telephone: 01283 554400
Facsimile: 01283 554422
E-mail: enquiries@tes-bretby.co.uk

Ms B Thompson
Enviros
Sanderson House
Station Road
Horsforth
Leeds

Dear Ms Thompson,

Water Analysis Report – Redcar.

Please find attached water analysis results for samples from the above site.

The work was carried out in accordance with Mowlem Environmental Sciences Group 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, appearing to read 'J Elstub', written in a cursive style.

J Elstub
Project Co-ordinator
01283 554500

TEST REPORT WATER SAMPLE ANALYSIS

1252

Combined Report TES Report No. Redcar

Site: Redcar

Enviros
Sanderson House
Station Road
Horsforth
Leeds
LS18 5NT

The 24 Samples described in this report were scheduled for analysis by TES Bretby between 04/05/04 and 12/05/04. The analysis was completed by Tuesday, 15 June 2004.

Tests marked as 'not UKAS accredited' and 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
Tables of TPH Interpretation Results (3 Pages)
Tables of TPH Chromatograms (24 Pages)
Table of Report Notes (1 Page)

On behalf of
TES Bretby :
J Elstub


Project Co-ordinator

Date of Issue: 15/06/04

Tests marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.
TES Bretby accepts no responsibility for the sampling related to the above results.

Units : Method Codes : Detection Limits : UKAS Accredited :		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l		mg/l	
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Units :											
Method Codes : Detection Limits : UKAS Accredited :											
mg/l	mg/l	mg/l	mg/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		
TPH/FID	CNWFREE	SPAPI	Phenol Index as C6H5OH	BTEXHSA	BTEXHSA	BTEXHSA	BTEXHSA	BTEXHSA	BTEXHSA		
0.1	0.1	0.05		5	5	5	5	10			
yes	no	no		yes	yes	yes	yes	yes			
Sample Date											
Client Sample Description											
TES ID Number EX/											
0410349	11AB1	29-Apr-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410350	11AB2	29-Apr-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410273	12AB2	29-Apr-04	0.26	<0.1	<0.05	<5	<5	<10			
0410360	12BB1	28-Apr-04	0.31	<0.1	<0.05	<5	<5	<10			
0410635	13AB2	30-Apr-04	0.59	<0.1	<0.05	<5	<5	<10			
0410351	13CB1	29-Apr-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410356	14AB2	28-Apr-04	0.36	<0.1	<0.05	<5	<5	<10			
0410241	14B1	27-Apr-04	2.82	<0.1	<0.05	<5	<5	<10			
0410357	15AB1	28-Apr-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410356	15AB2	28-Apr-04	0.45	<0.1	<0.05	<5	<5	<10			
0410359	15AB3	28-Apr-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410634	16AB2	30-Apr-04	0.72	<0.1	<0.05	<5	<5	<10			
0410633	16BB1	30-Apr-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410274	17AB3	29-Apr-04	0.75	<0.1	<0.05	<5	<5	<10			
0410275	17BB1	29-Apr-04	0.63	<0.1	<0.05	<5	<5	<10			
0410276	17CB2	29-Apr-04	<0.2	<0.1	<0.05	<5	<5	<10			
0410646	FAS1	04-May-04	0.22	<0.1	<0.05	<5	<5	<10			
0410636	FAS2	04-May-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410645	FAS3	04-May-04	<0.1	<0.1	<0.05	<5	<5	<10			
0410637	FAS4	04-May-04	<0.1	<0.1	<0.05	<5	<5	<10			
TES Bretby PO Box 100, Bretby Business Park, Burton-on-Trent, Staffordshire, DE15 0XD Tel +44 (0) 1283 554400 Fax +44 (0) 1283 554422			Client Name Contact		Enviros Ms B Thompson		Water Sample Analysis Combined Report Date Printed Report Number Table Number Page Number			UKAS TESTING 1252	

[illegible]

[illegible]


[illegible]

[illegible]

Interpretation of GC/FID Chromatographic data produced during DRO, PAH or TPH test.

Client :	Enviros	Date of assessment :	15-Jun-04
Site	Redcar	Assessor :	P.W.Ward
Report Number :		Test type	TPH GC/FID

Lab ID Number	Client ID	Interpretation
EX0410349	11AB1	Lean extract, insufficient for ID.
EX0410350	11AB2	Lean extract, insufficient for ID.
EX0410273	12AB2	Lean extract, insufficient for ID.
EX0410360	12BB1	Lean extract, insufficient for ID.
EX0410635	13AB2	Lean extract, insufficient for ID.
EX0410351	13CB1	Lean extract, insufficient for ID.
EX0410356	14AB2	Lean extract, insufficient for ID.
EX0410241	14B1	Presence of PAHs. UCM in the range nC14-nC37+.
EX0410357	15AB1	Lean extract, insufficient for ID.
EX0410358	15AB2	Lean extract, insufficient for ID.

Authorised by  G.C. Risdon
Associate Director, Environmental Analysis

Interpretation of GC/FID Chromatographic data produced during DRO, PAH or TPH test.

Client :	Enviros	Date of assessment :	15-Jun-04
Site	Redcar	Assessor :	P.W.Ward
Report Number :		Test type	TPH GC/FID

Lab ID Number	Client ID	Interpretation
EX0410359	15AB3	Lean extract, insufficient for ID.
EX0410634	16AB2	Lean extract, insufficient for ID.
EX0410633	16BB1	Lean extract, insufficient for ID.
EX0410274	17AB3	Lean extract, insufficient for ID.
EX0410275	17BB1	Lean extract, insufficient for ID.
EX0410276	17CB2	Lean extract, insufficient for ID.
EX0410646	FAS1	Lean extract, insufficient for ID.
EX0410636	FAS2	Lean extract, insufficient for ID.
EX0410645	FAS3	Lean extract, insufficient for ID.
EX0410637	FAS4	Lean extract, insufficient for ID.

Authorised by : 
G.C. Risdon
Associate Director, Environmental Analysis

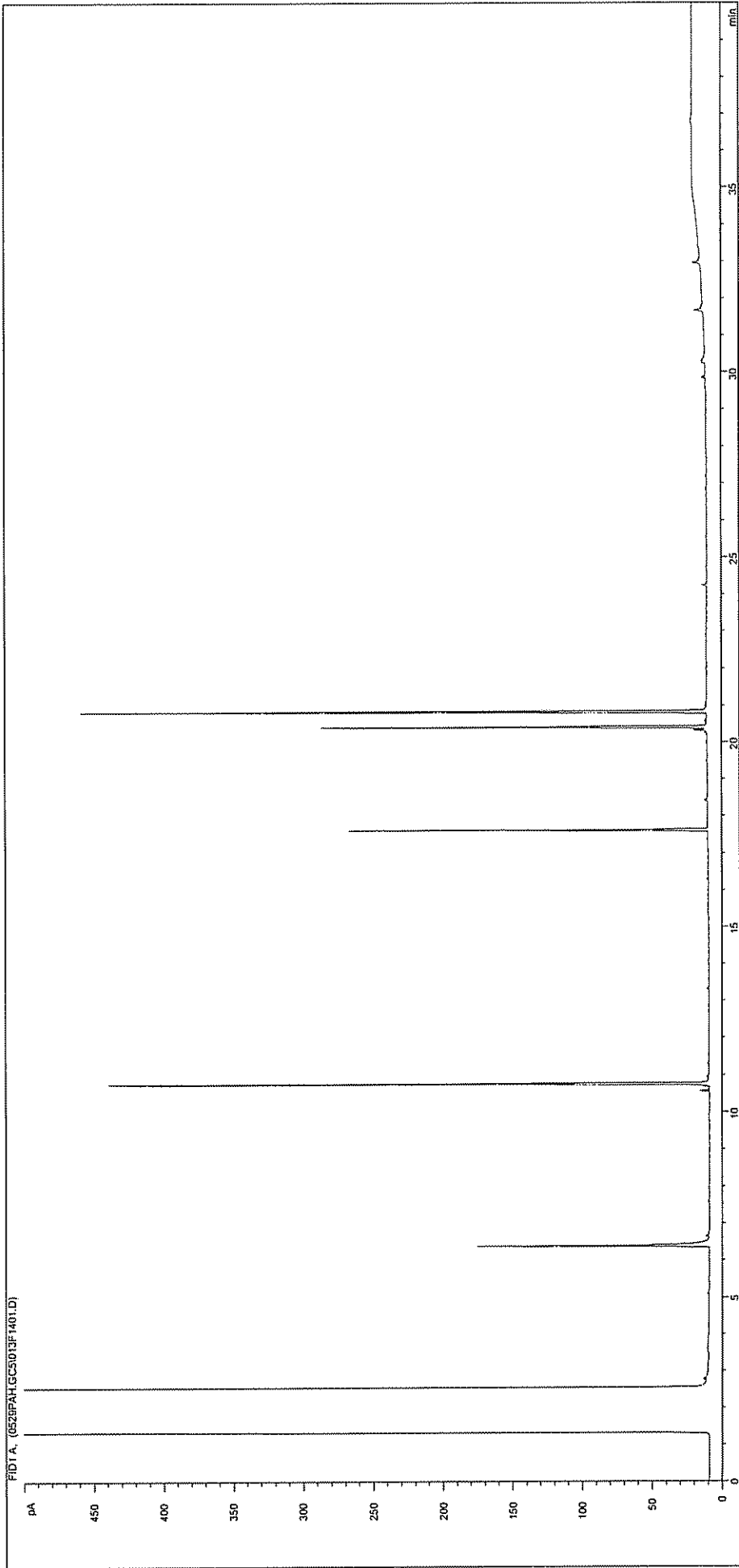
Interpretation of GC/FID Chromatographic data produced during DRO, PAH or TPH test.

Client :	Enviros	Date of assessment :	15-Jun-04
Site	Redcar	Assessor :	P.W.Ward
Report Number :		Test type	TPH GCFID

Lab ID Number	Client ID	Interpretation
EX0410638	FAS5	Lean extract, insufficient for ID.
EX0410647	FAS6	Lean extract, insufficient for ID.
EX0410639	FAS7	Lean extract, insufficient for ID.
EX0410640	FAS8	Lean extract, insufficient for ID.

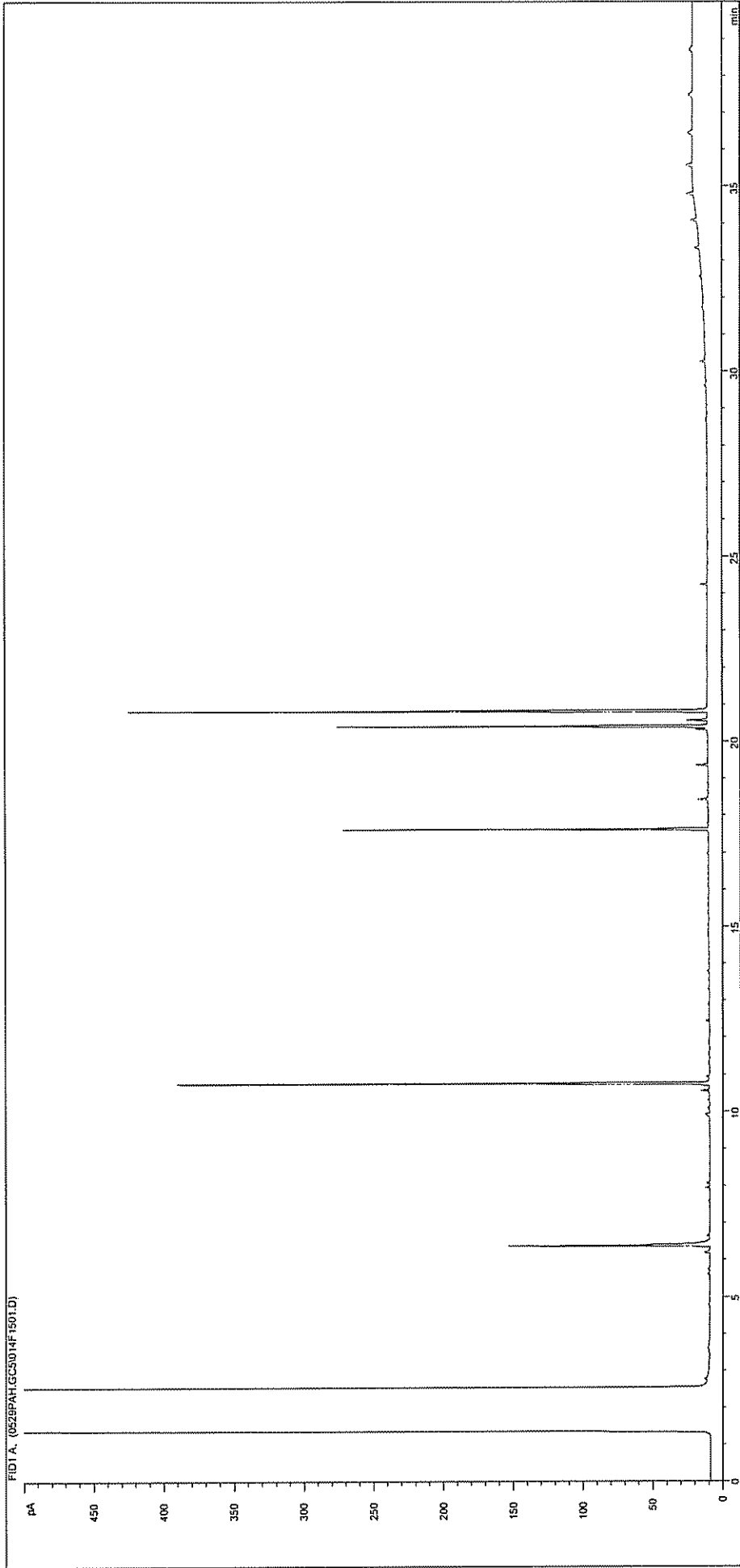
Authorised by :  G.C. Risdon
Associate Director, Environmental Analysis

Petroleum Hydrocarbons (C8 to C37) by GC/FID



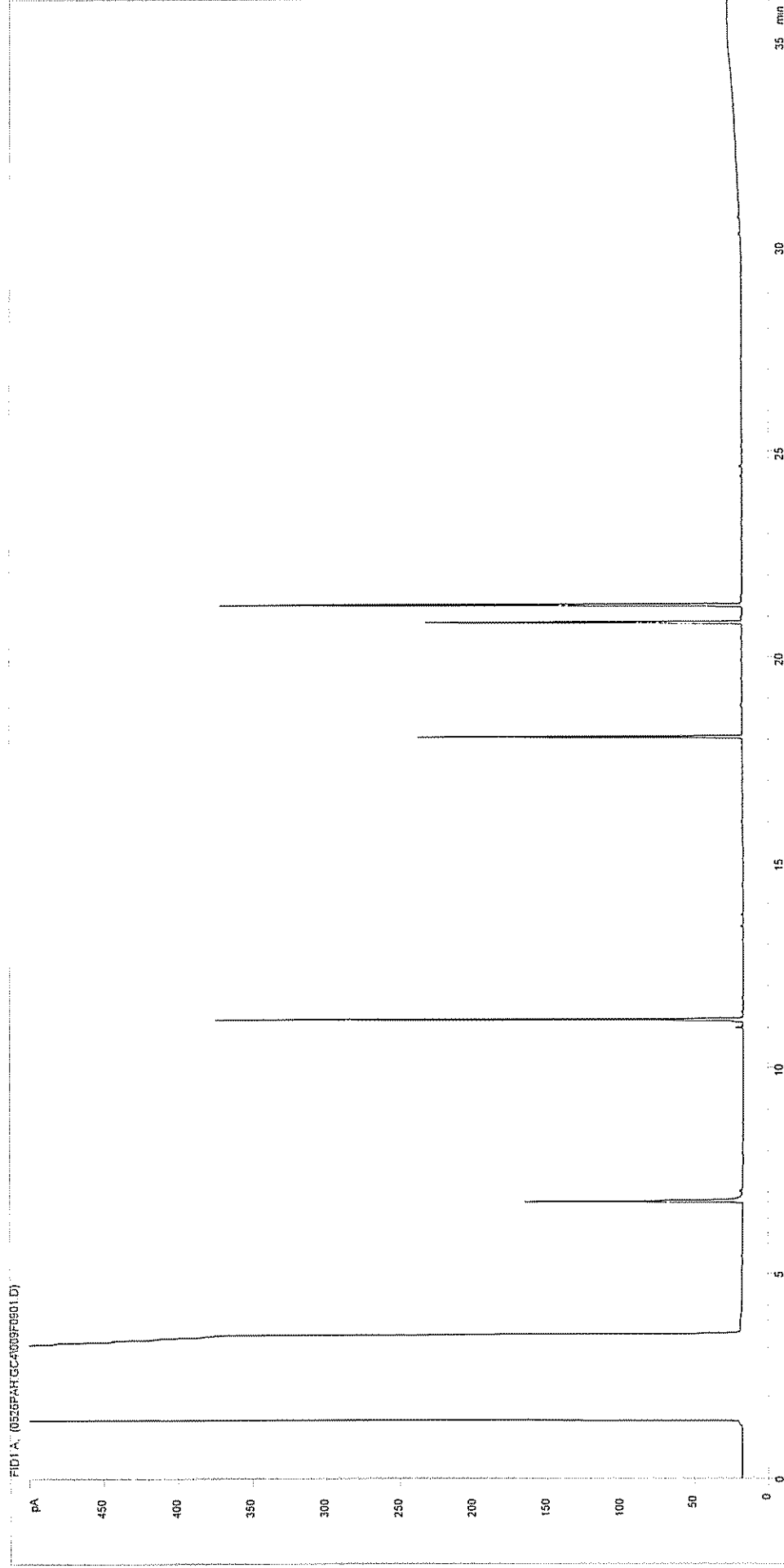
Sample ID:	EX0410349	Job Number:	W04_2315
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	11AB1
Acquisition Date/Time:	29-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5\013F1401.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



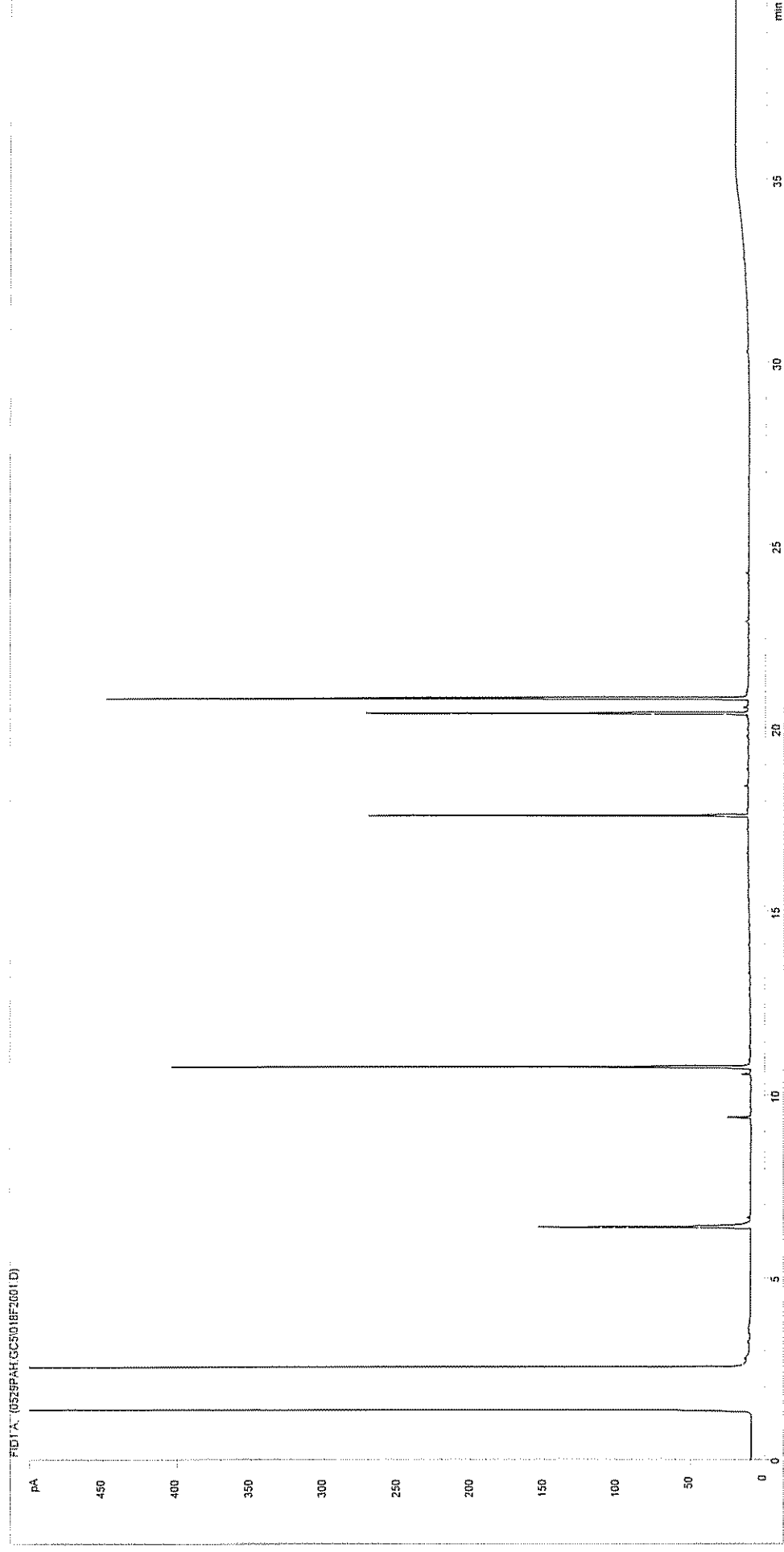
Sample ID:	EX0410350	Job Number:	W04_2315
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	11AB2
Acquisition Date/Time:	29-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5\014F1501.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410273	Job Number:	W04_2295
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	12AB2
Acquisition Date/Time:	26-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\009F0901.D		

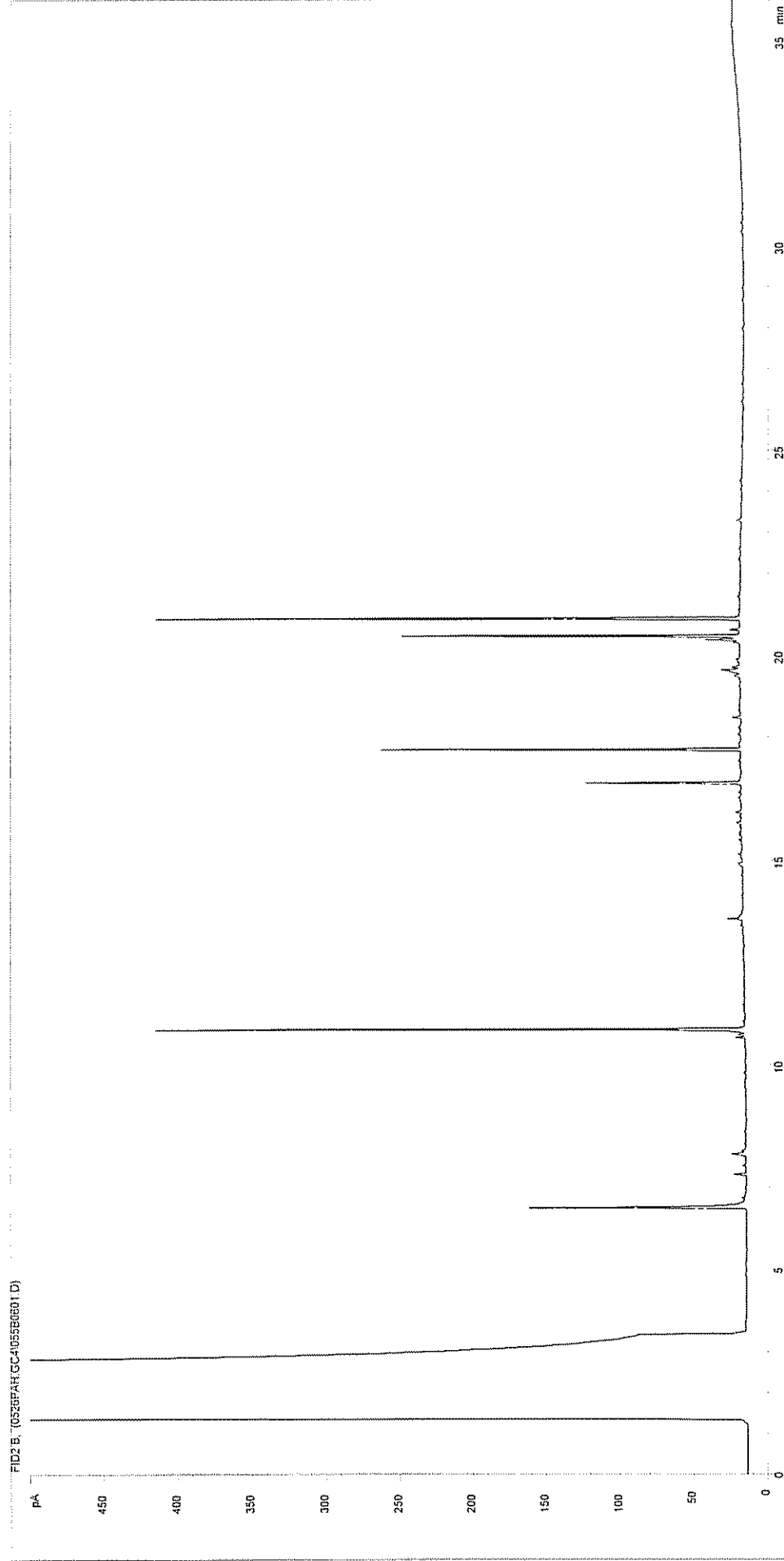
Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID: EX0410360
Multiplier: 0.001
Dilution: 1
Acquisition Method: WMF_RUNF.M
Acquisition Date/Time: 29-May-04
Datafile: D:\TES\DATA\0529PAH.GC5\018F2001.D

Job Number: W04_2317
Client: Enviro
Site: C00520017A
Client Sample Ref: 12BB1

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410635

Multiplier:

0.001

Dilution:

1

Acquisition Method:

WMF_RUNF.M

Acquisition Date/Time:

26-May-04

Datafile:

C:\TES\DATA\0526PAH.GC4\055B0601.D

Job Number:

W04_2371

Client:

Enviros

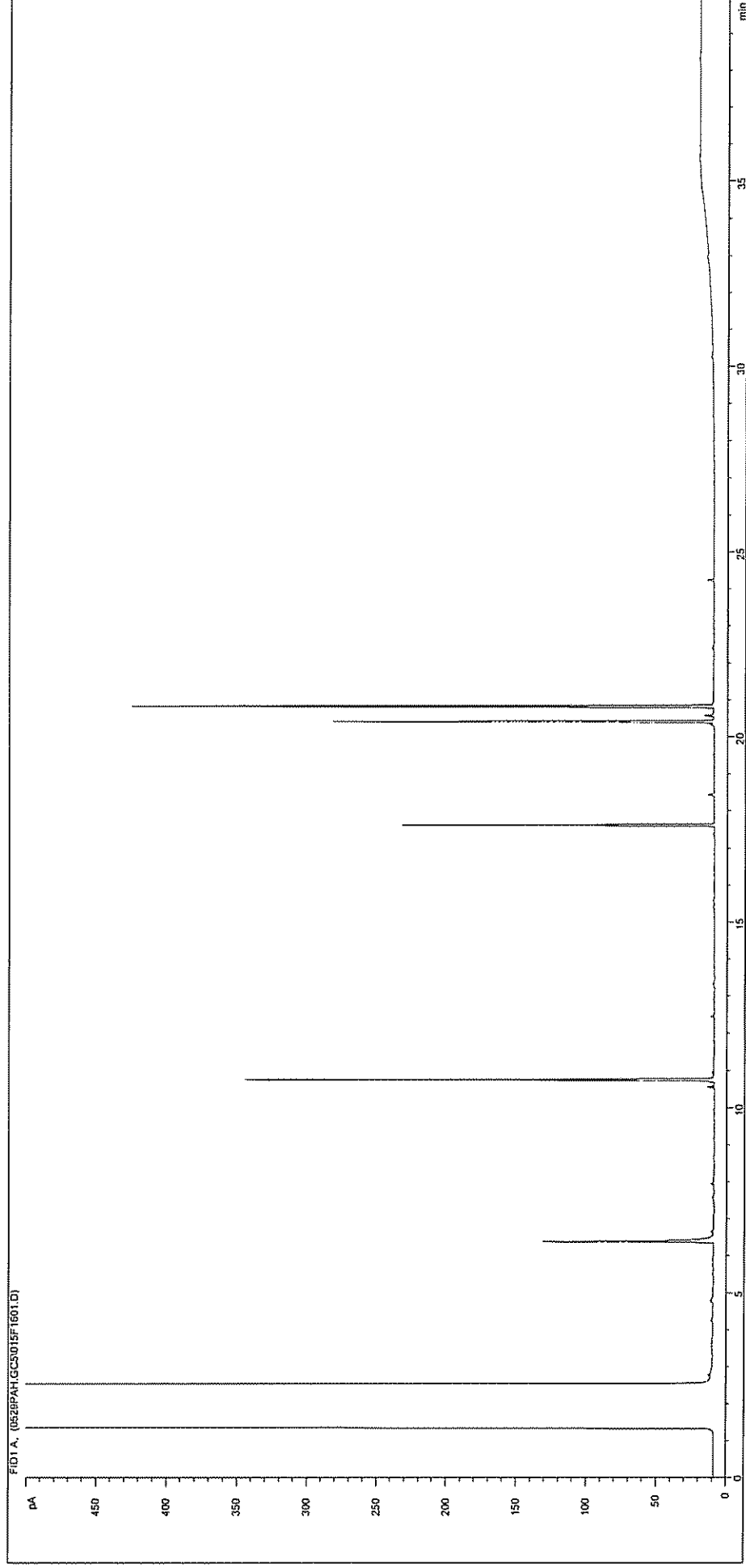
Site:

C00520017A

Client Sample Ref:

13AB2

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

Multiplier:

Dilution:

Acquisition Method:

Acquisition Date/Time:

Datafile:

EX0410351

0.001

1

WMF_RUNF.M

29-May-04

D:\TES\DATA\0529PAH.GC5\015F1601.D

Job Number:

Client:

Site:

Client Sample Ref:

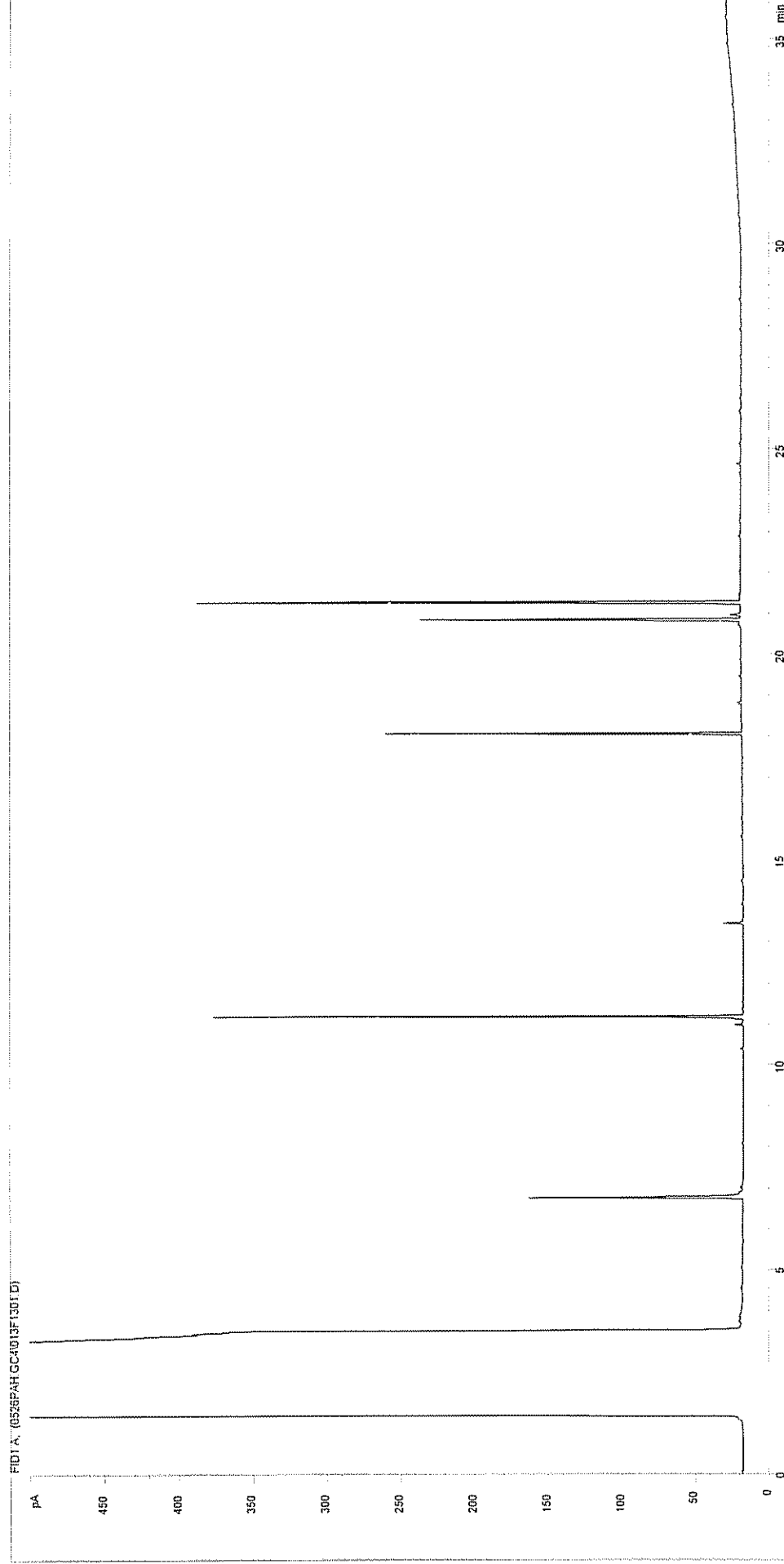
W04_2315

Enviros

C00520017A

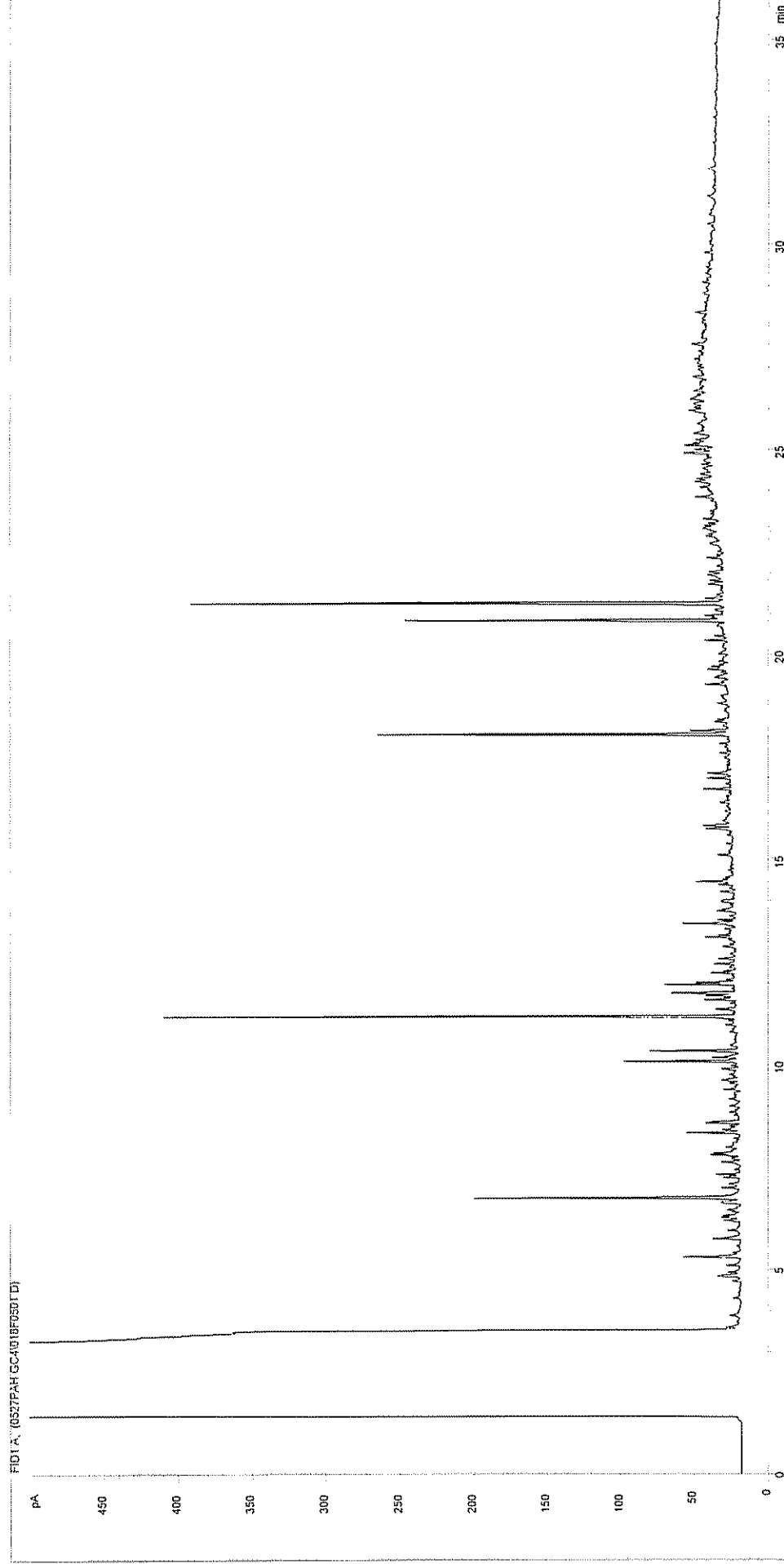
13CB1

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410356	Job Number:	W04_2317
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	14AB2
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\013F1301.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410241

Multiplier:

0.001

Dilution:

1

Acquisition Method:

WMF_RUNF.M

Acquisition Date/Time:

27-May-04

Datafile:

C:\TES\DATA\0527PAH.GC4\018F0501.D

Job Number:

W04_2282

Client:

Enviros

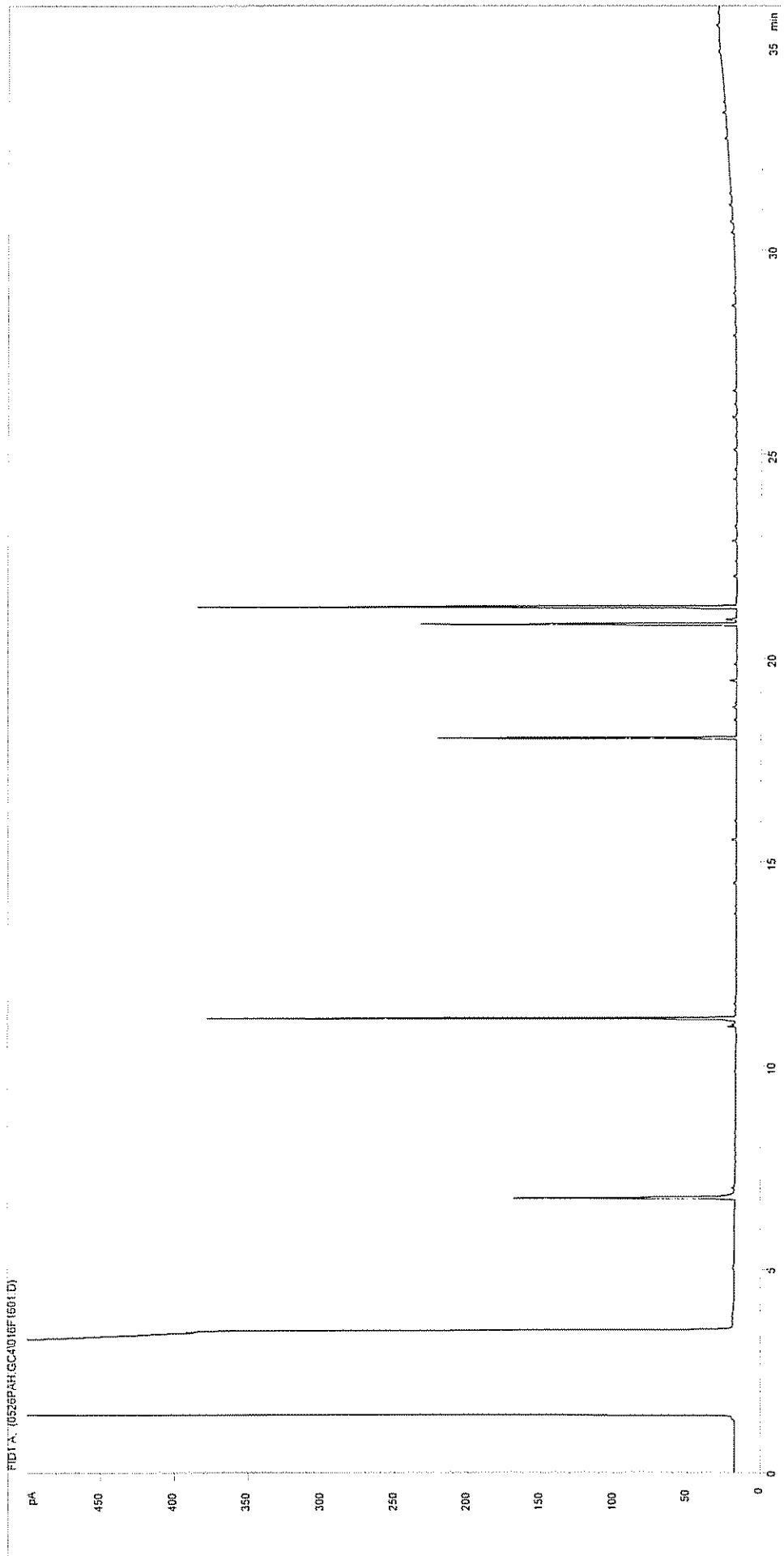
Site:

C00520017A

Client Sample Ref:

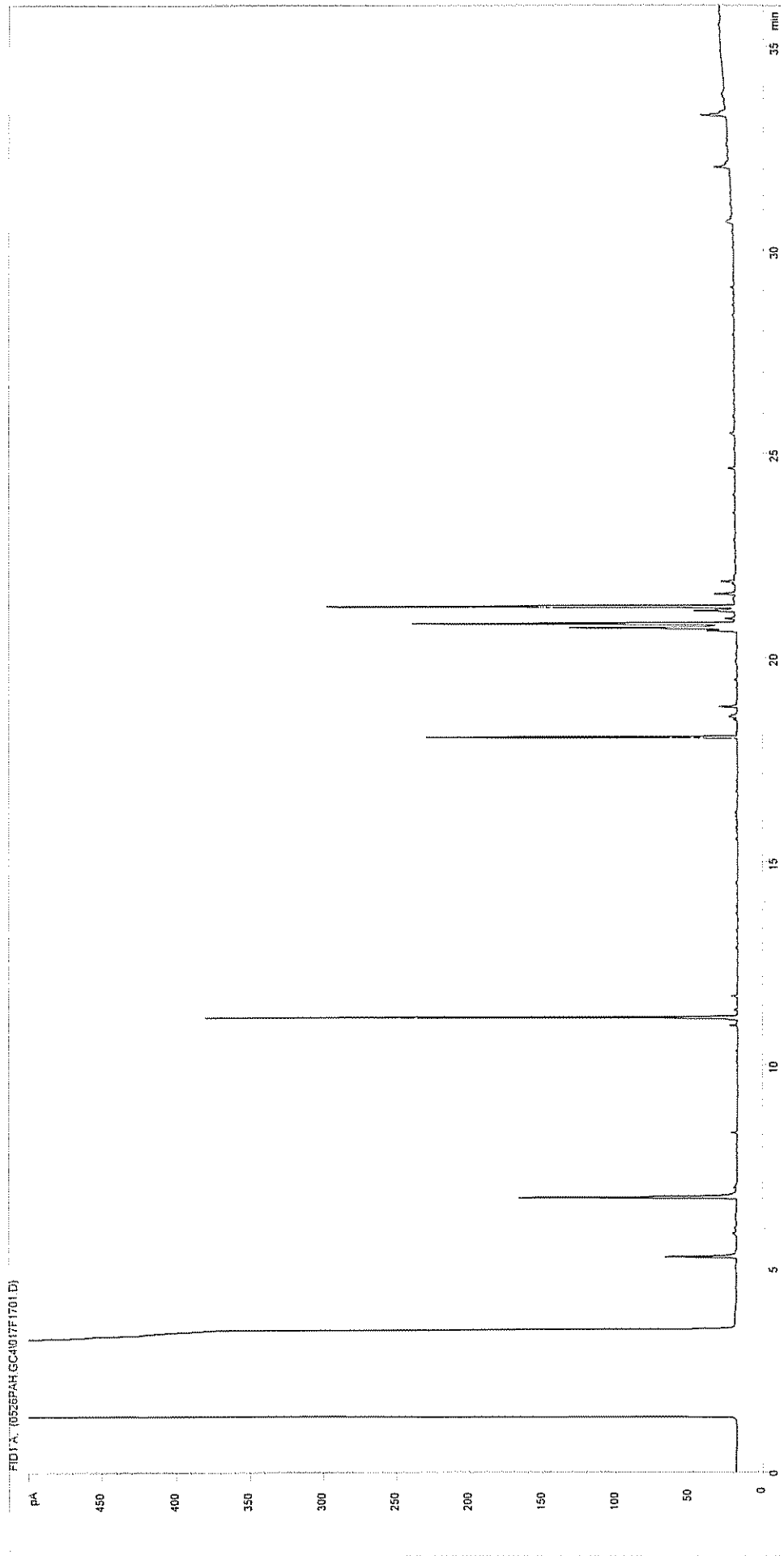
14B1

Petroleum Hydrocarbons (C8 to C37) by GC/FID



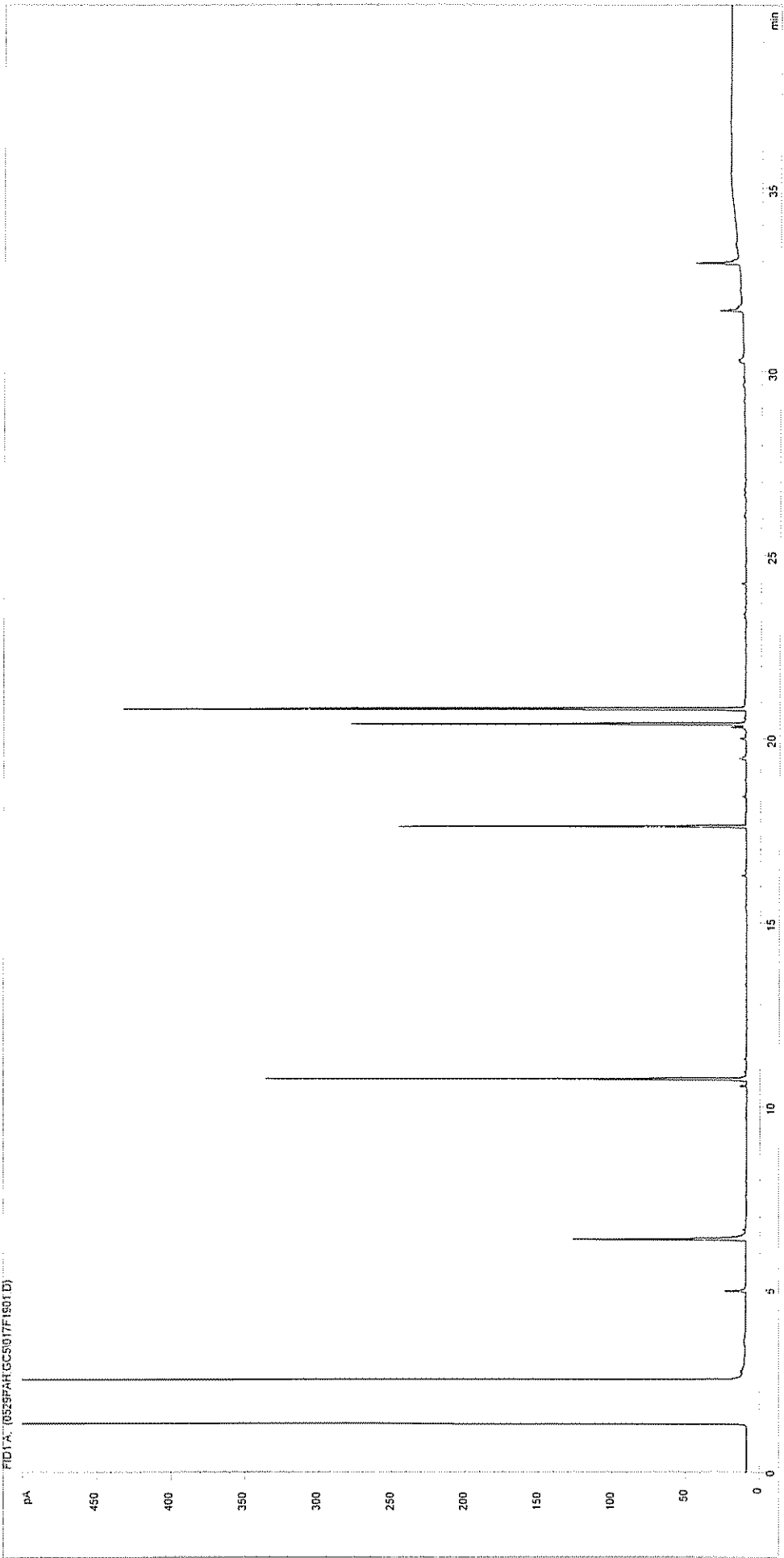
Sample ID:	EX0410357	Job Number:	W04_2317
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	15AB1
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\016F1601.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



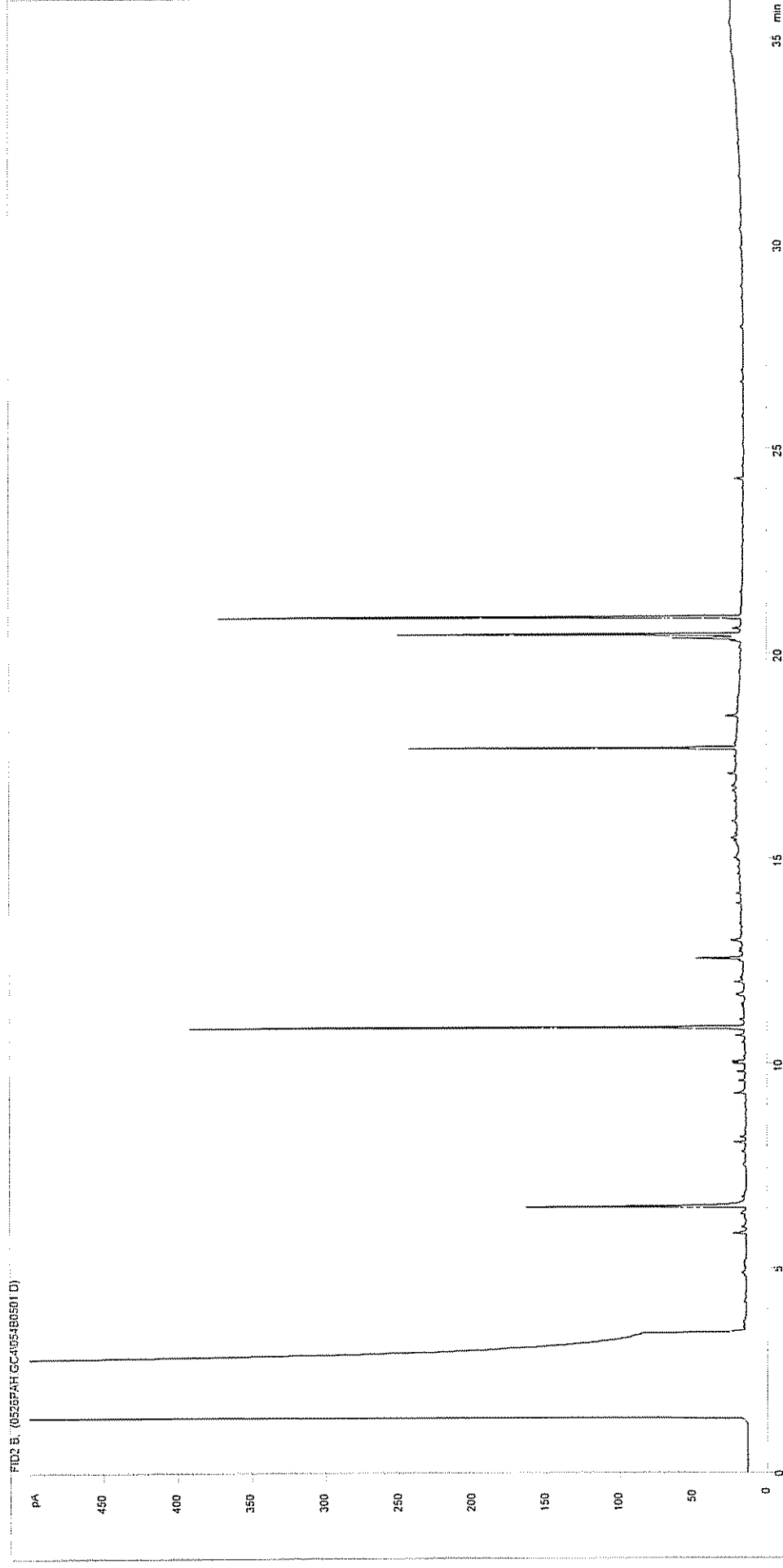
Sample ID:	EX0410358	Job Number:	W04_2317
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	15AB2
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\017F1701.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



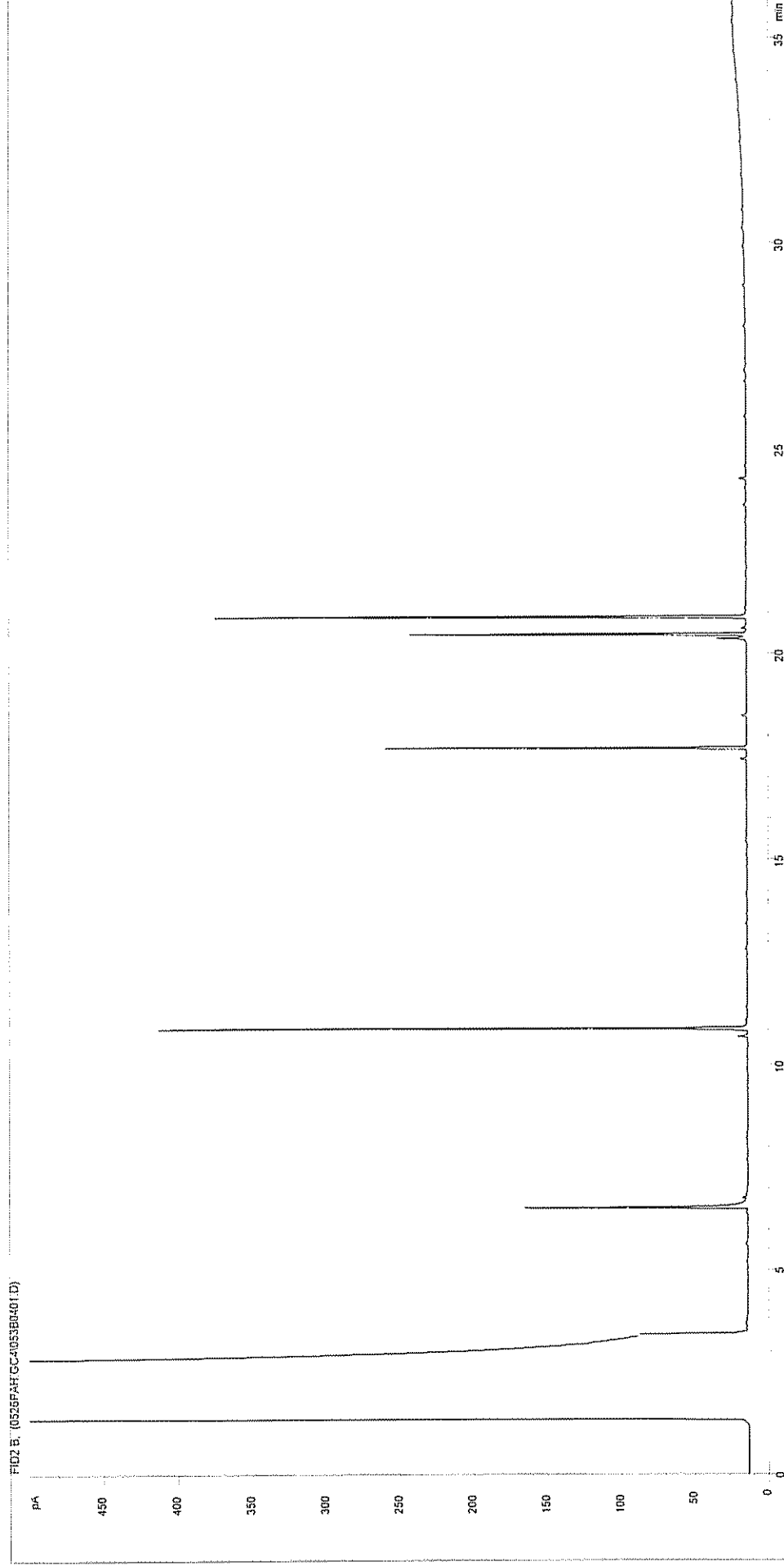
Sample ID:	EX0410359	Job Number:	W04_2317
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	15AB3
Acquisition Date/Time:	29-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5017F1901.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



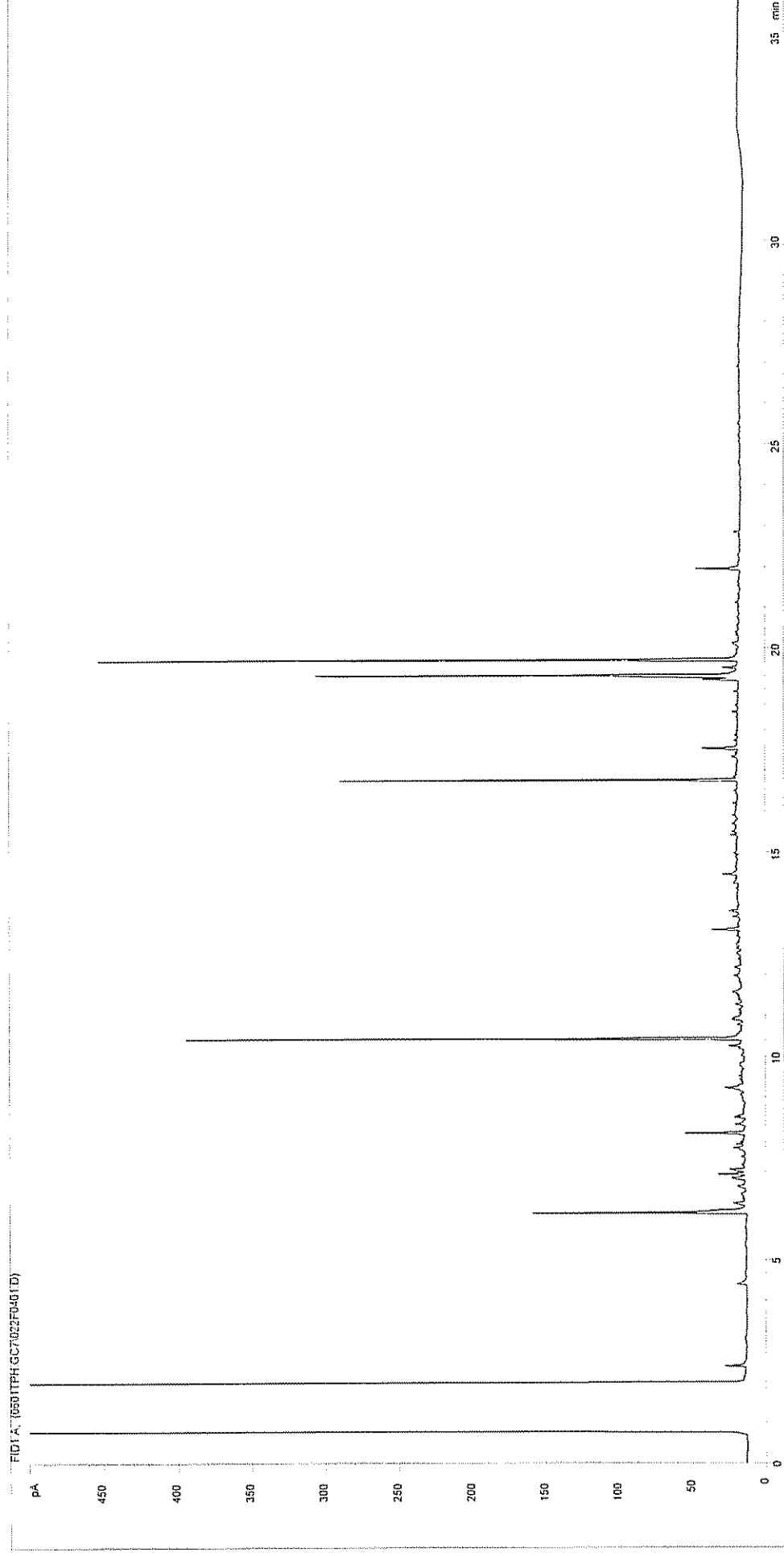
Sample ID:	EX0410634	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1.429	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	16AB2
Acquisition Date/Time:	26-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\054B0501.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



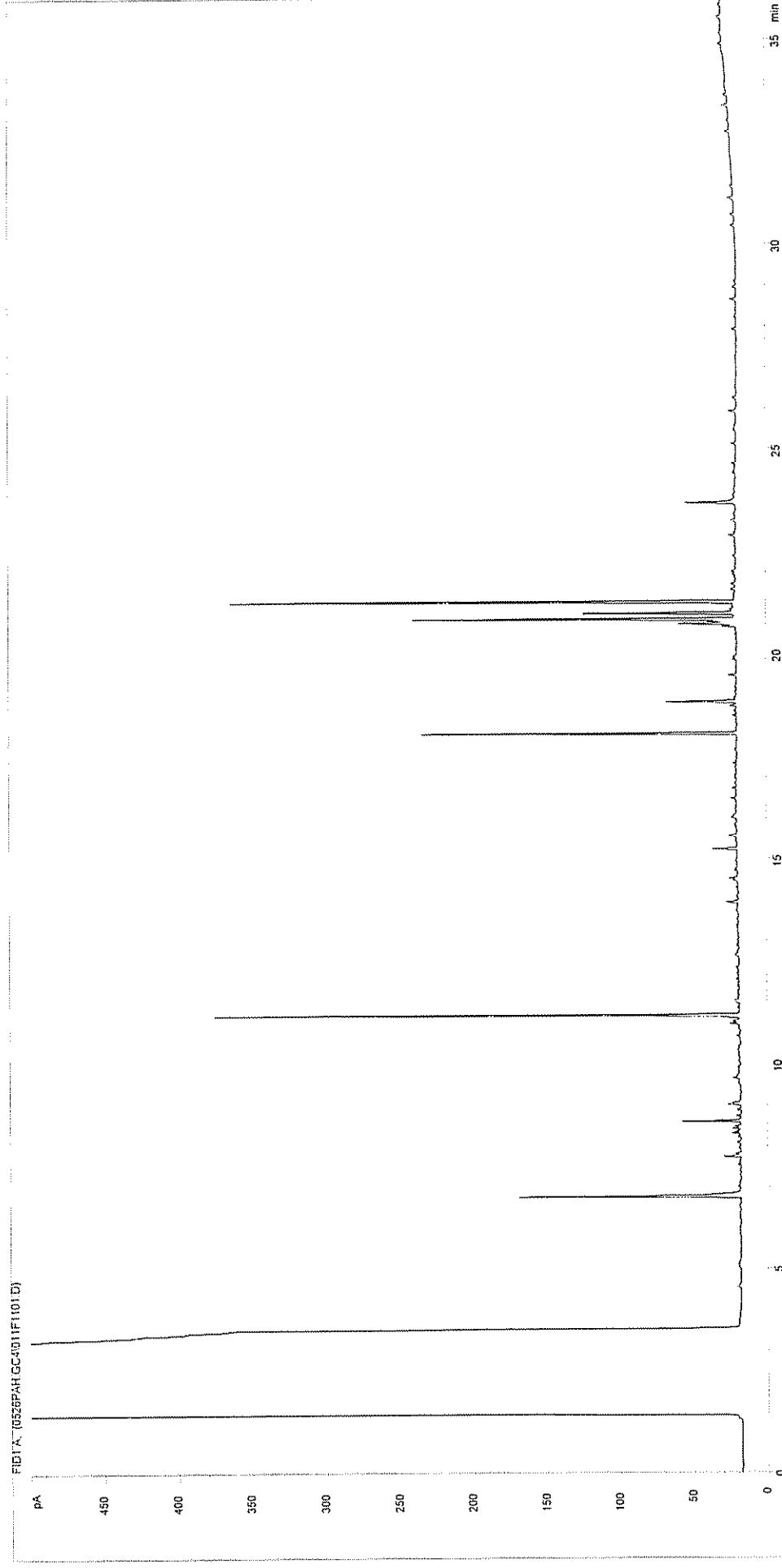
Sample ID:	EX0410633	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	16BB1
Acquisition Date/Time:	26-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\053B0401.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



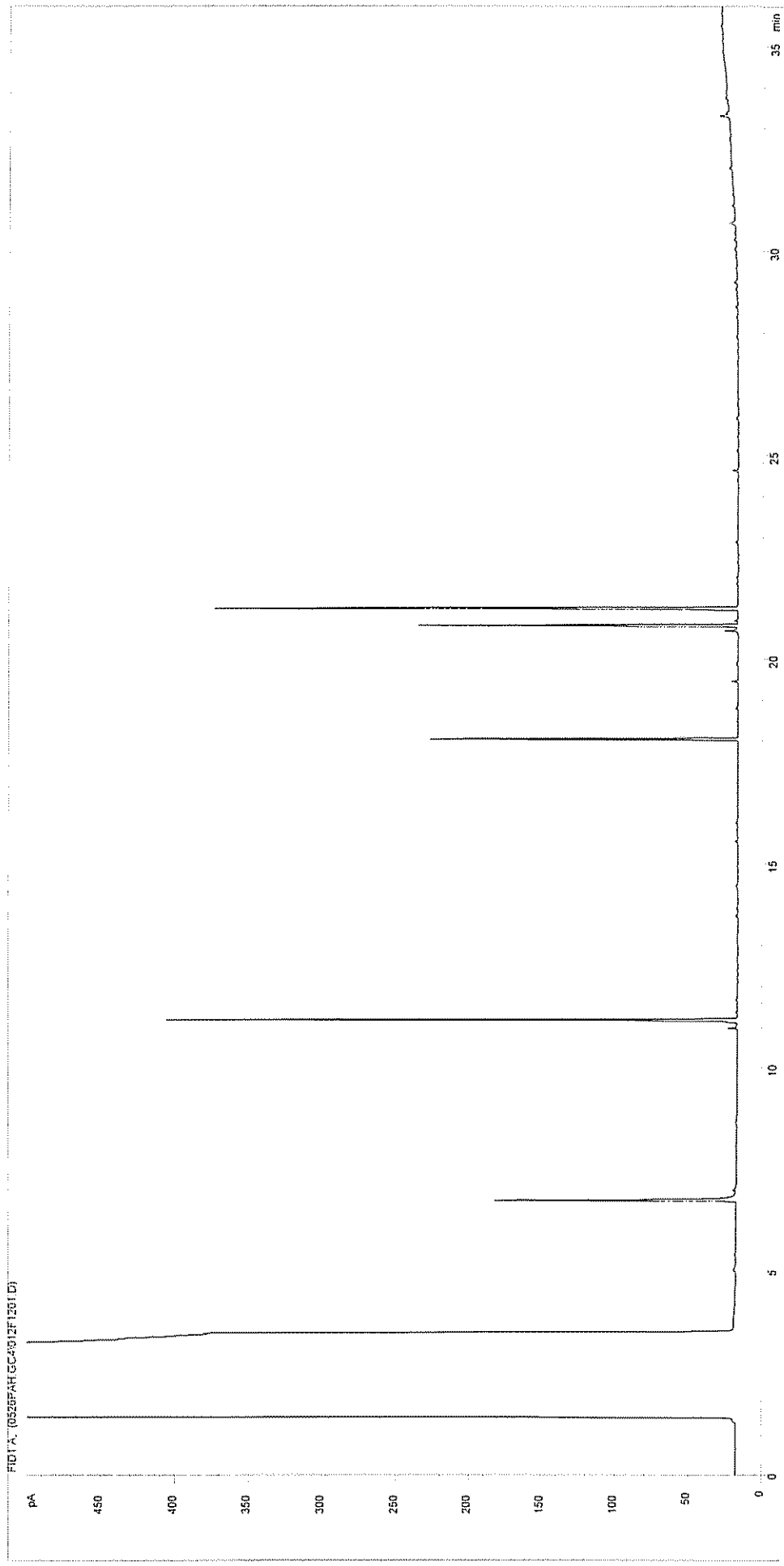
Sample ID:	EX0410274	Job Number:	W04_2295
Multiplier:	0.001	Client:	Enviros
Dilution:	1.11	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	17AB3
Acquisition Date/Time:	01-Jun-04		
Datafile:	C:\TES\DATA\0601TPH.GC7\022F0401.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



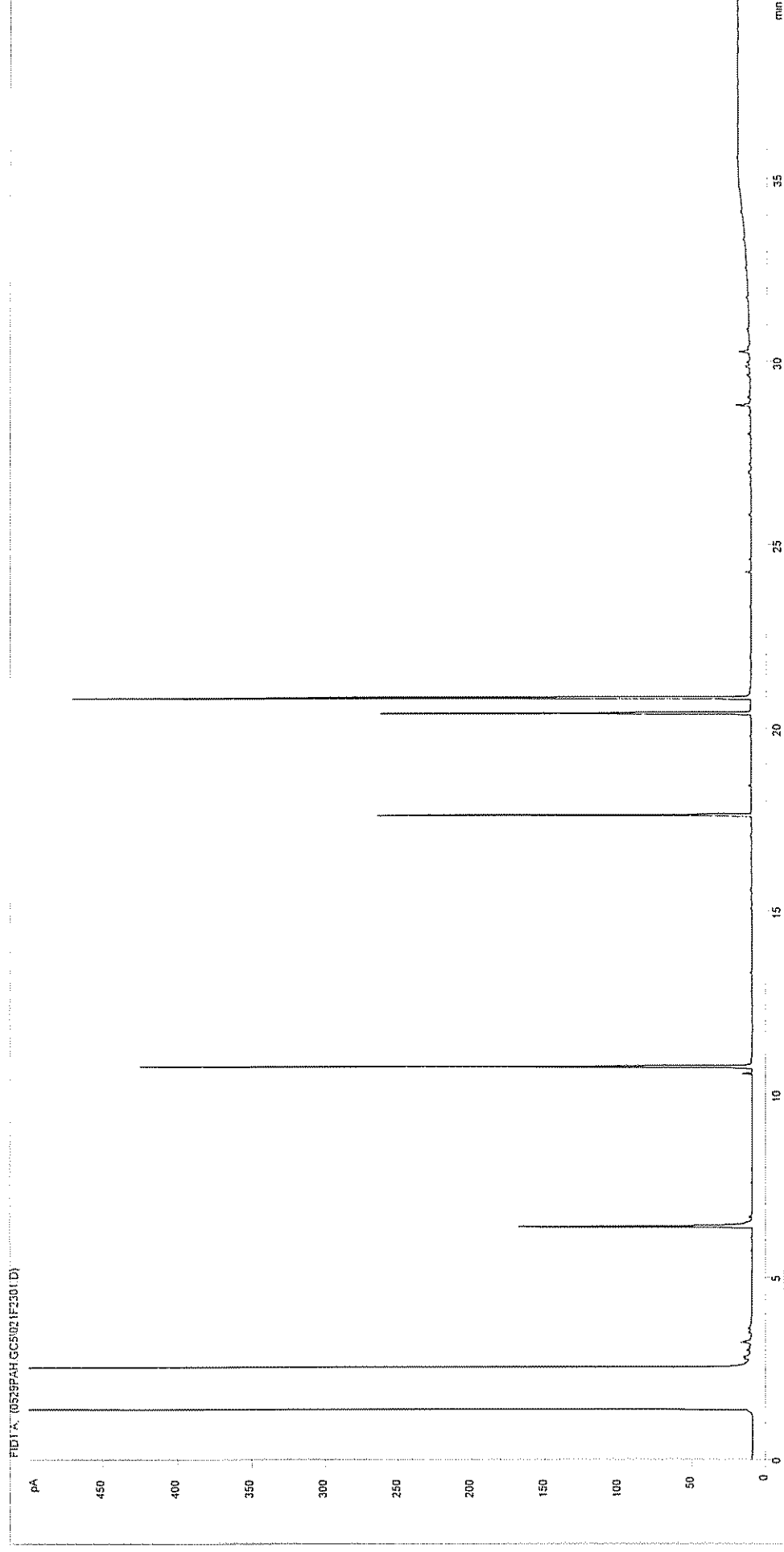
Sample ID:	EX0410275	Job Number:	W04_2295
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	17BB1
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\011F1101.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410276	Job Number:	W04_2295
Multiplier:	0.001	Client:	Enviros
Dilution:	2	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	17CB2
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\012F1201.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410646

Multiplier:

0.001

Dilution:

1

Acquisition Method:

WMF_RUNF.M

Acquisition Date/Time:

30-May-04

Datafile:

D:\TES\DATA\0529PAH.GC5\021F2301.D

Job Number:

W04_2371

Client:

Enviros

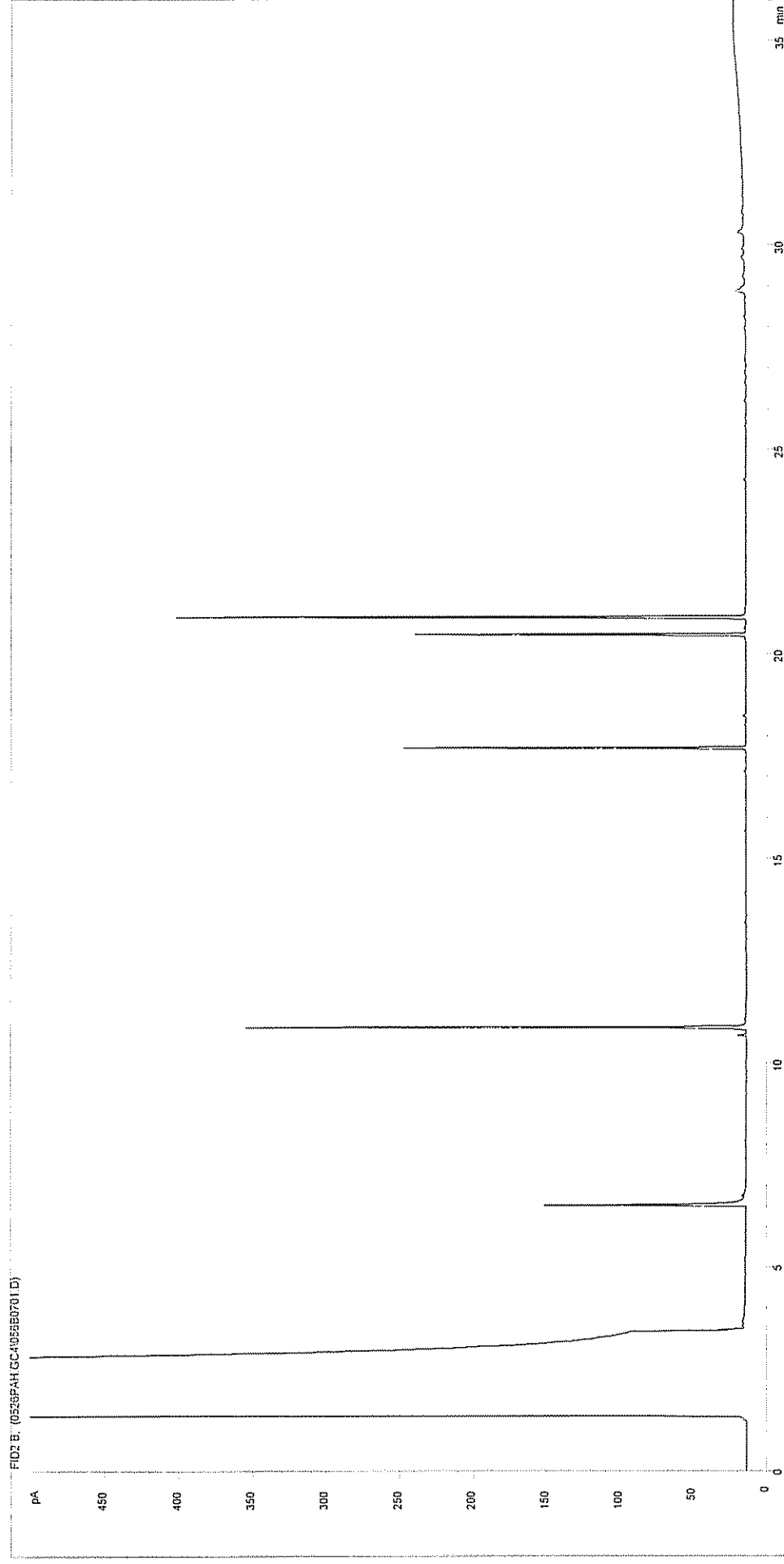
Site:

C00520017A

Client Sample Ref:

FAS1

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410636

Job Number:

W04_2371

Multiplier:

0.001

Client:

Enviros

Dilution:

1

Site:

C00520017A

Acquisition Method:

WMF_RUNF.M

Client Sample Ref:

FAS2

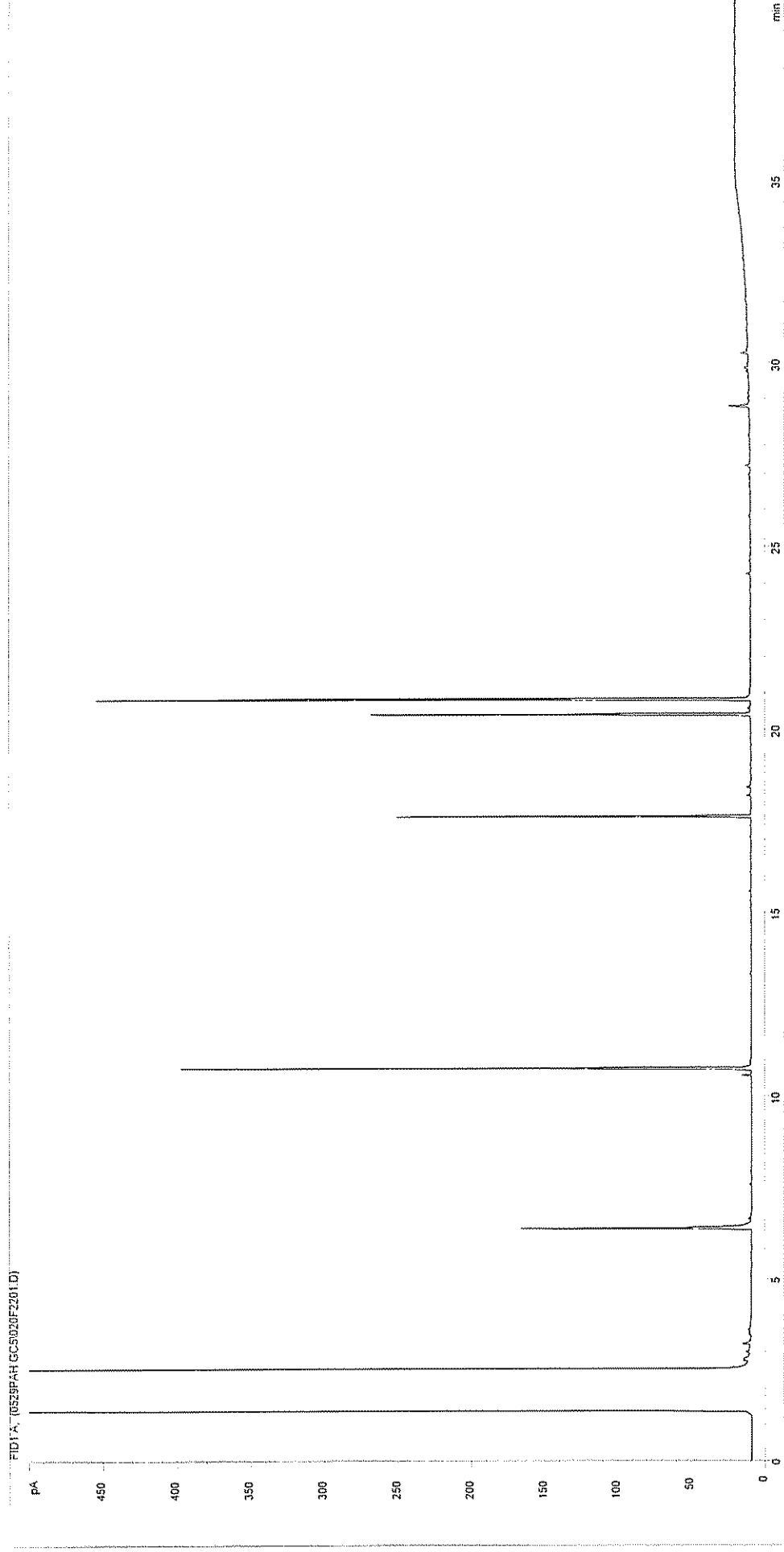
Acquisition Date/Time:

26-May-04

Datafile:

C:\TES\DATA\0526PAH.GC4\056B0701.D

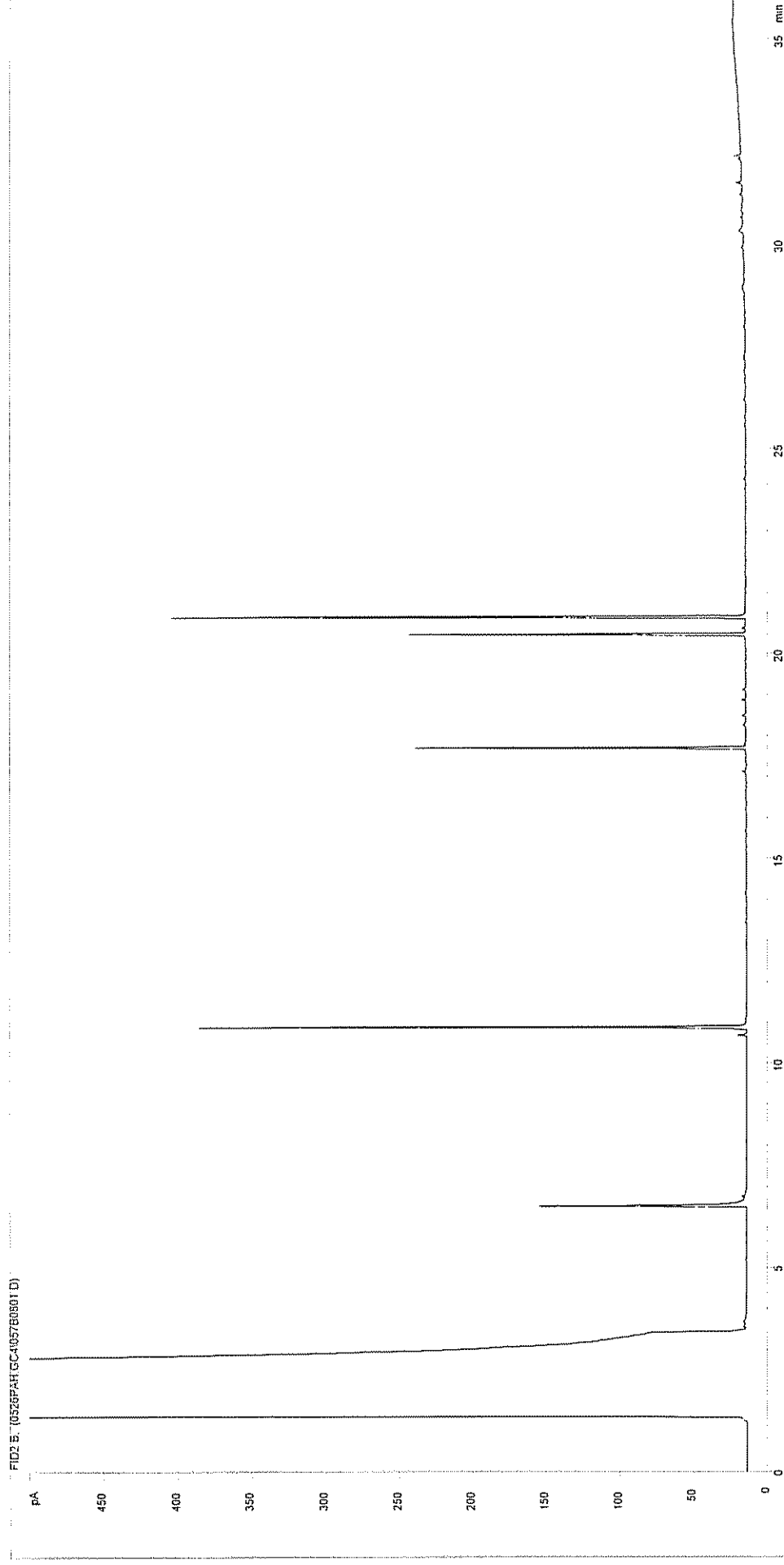
Petroleum Hydrocarbons (C8 to C37) by GC/FID



Job Number: W04_2371
Client: EnviroS
Site: C00520017A
Client Sample Ref: FAS3

Sample ID: EX0410645
Multiplier: 0.001
Dilution: 1
Acquisition Method: WMF_RUNF.M
Acquisition Date/Time: 30-May-04
Datafile: D:\TES\DATA\0529PAH.GC5020F2201.D

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410637

Job Number:

W04_2371

Multiplier:

0.001

Client:

Enviros

Dilution:

1

Site:

C00520017A

Acquisition Method:

WMF_RUNF.M

Client Sample Ref:

FAS4

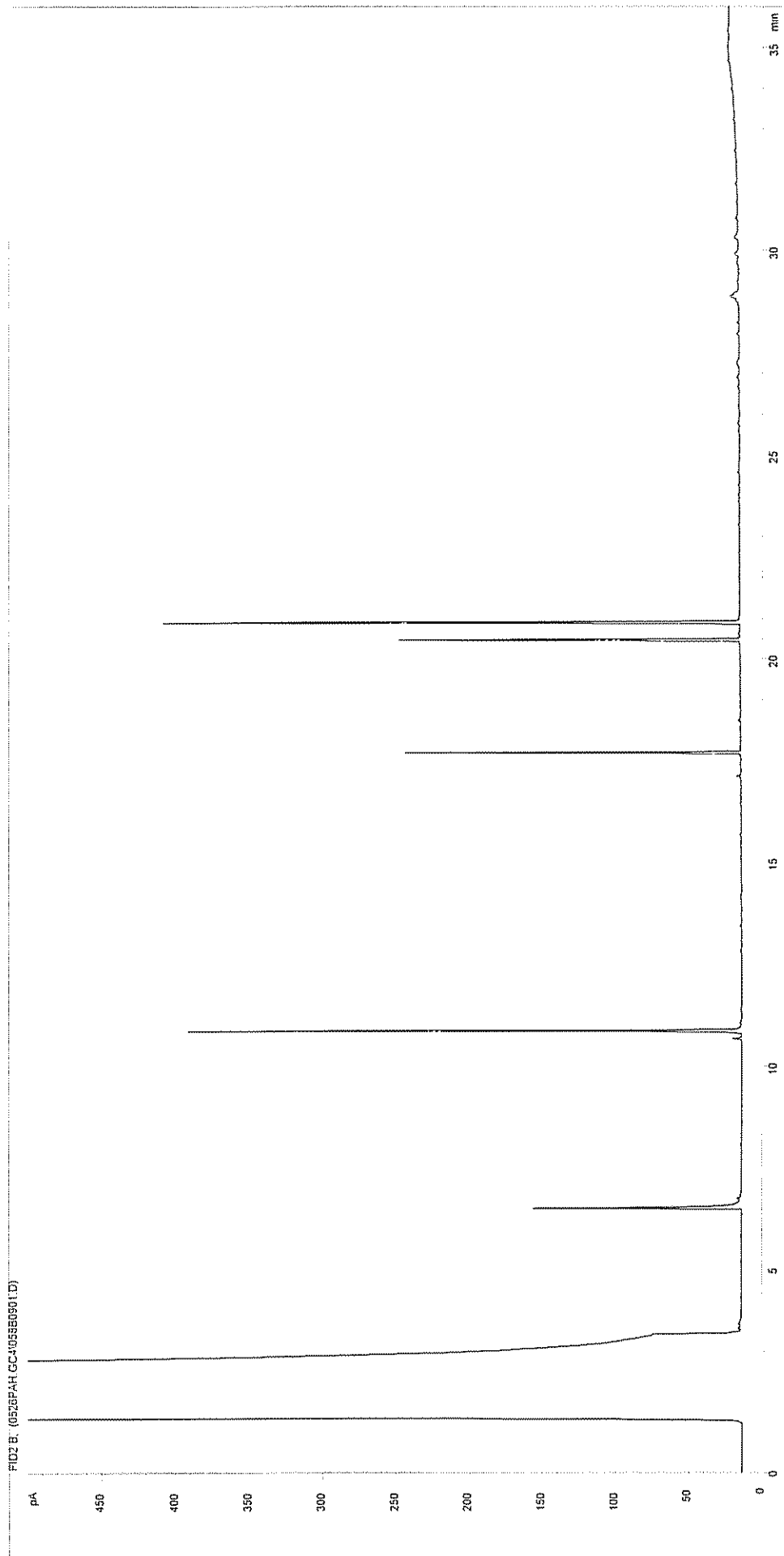
Acquisition Date/Time:

26-May-04

Datafile:

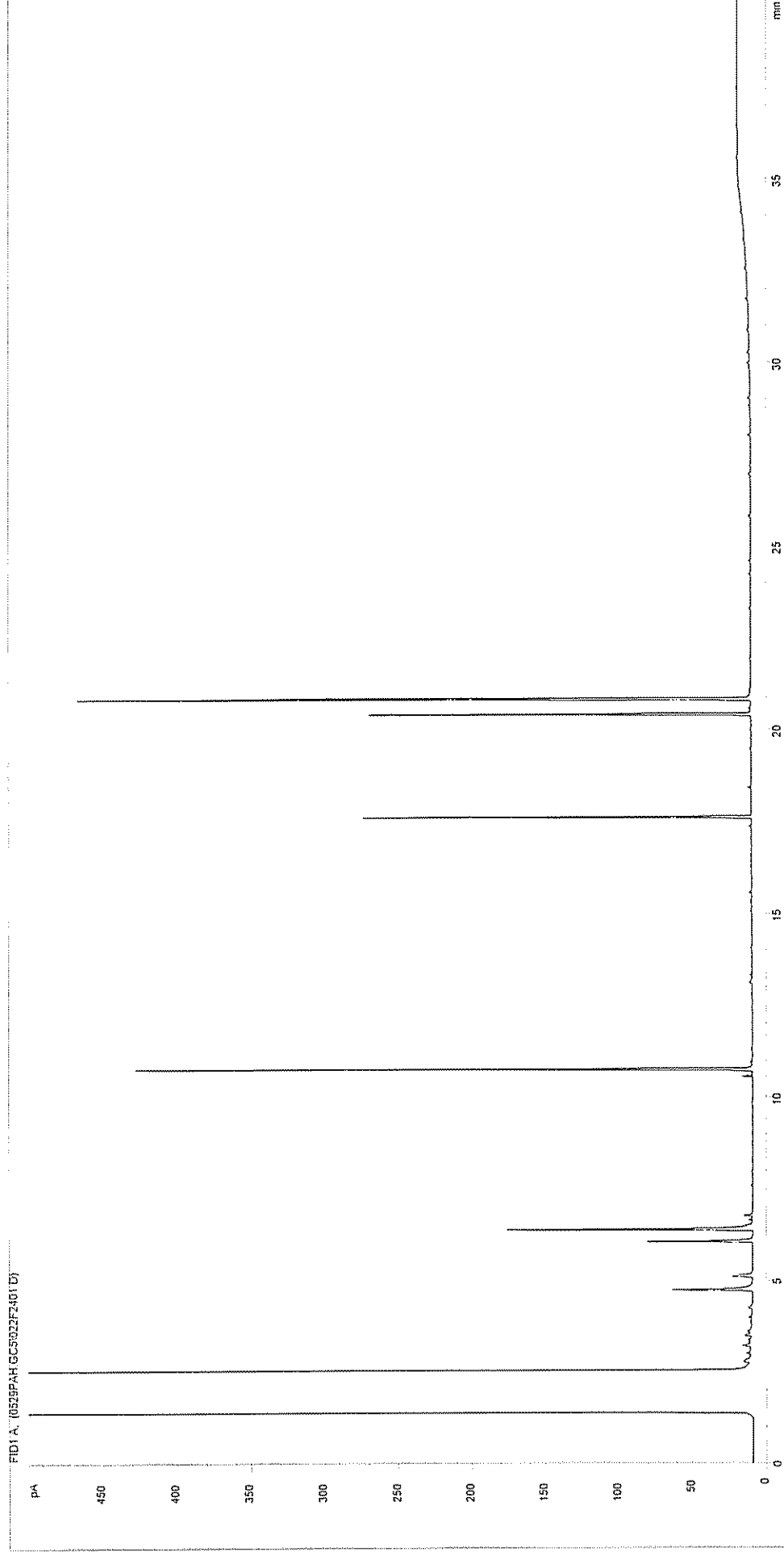
C:\TES\DATA\0526PAH.GC4\057B0801.D

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410638	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1.111	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	FAS5
Acquisition Date/Time:	26-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\0558B0901.D		

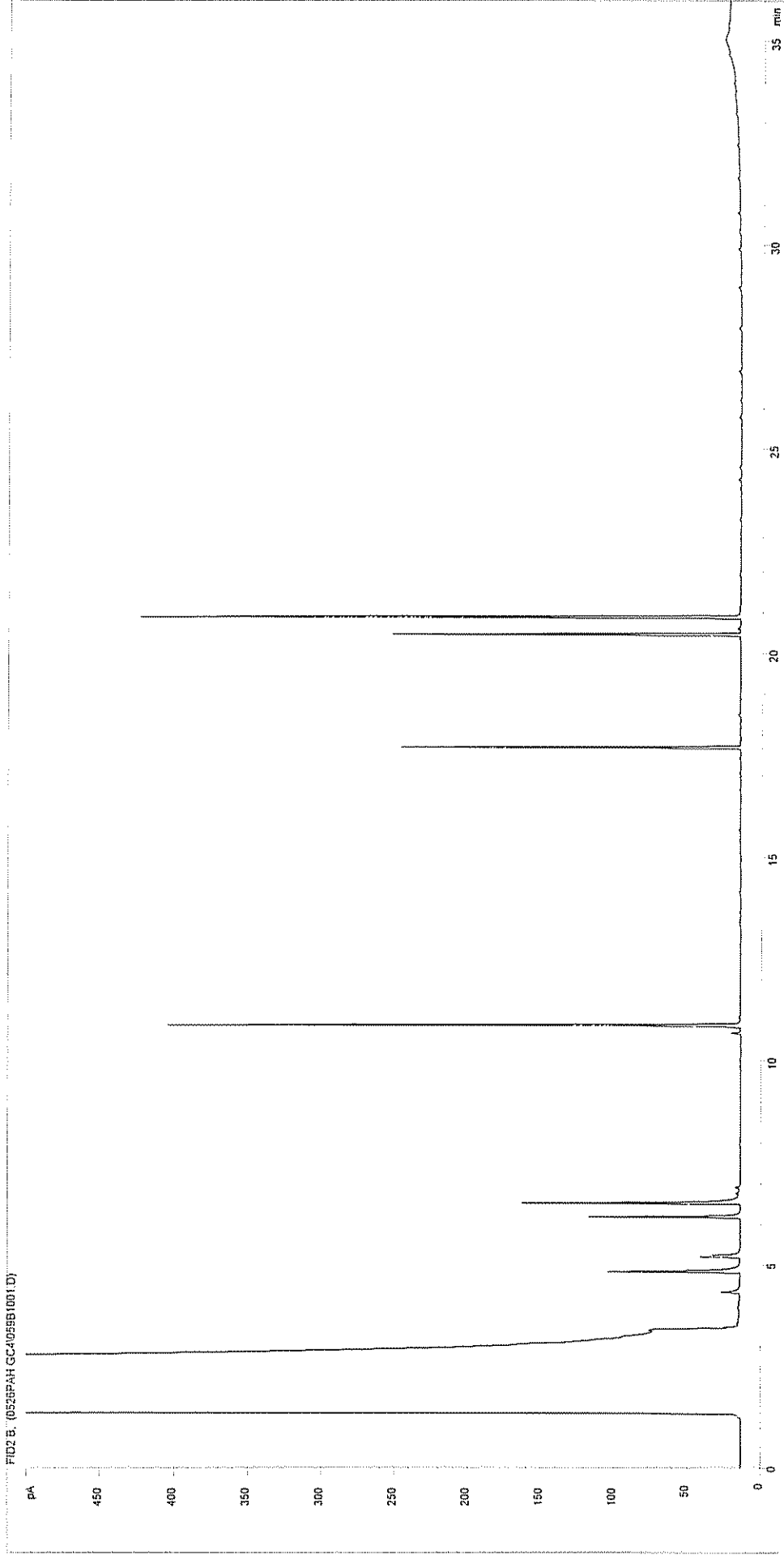
Petroleum Hydrocarbons (C8 to C37) by GC/FID



Job Number: W04_2371
Client: EnviroS
Site: C00520017A
Client Sample Ref: FAS6

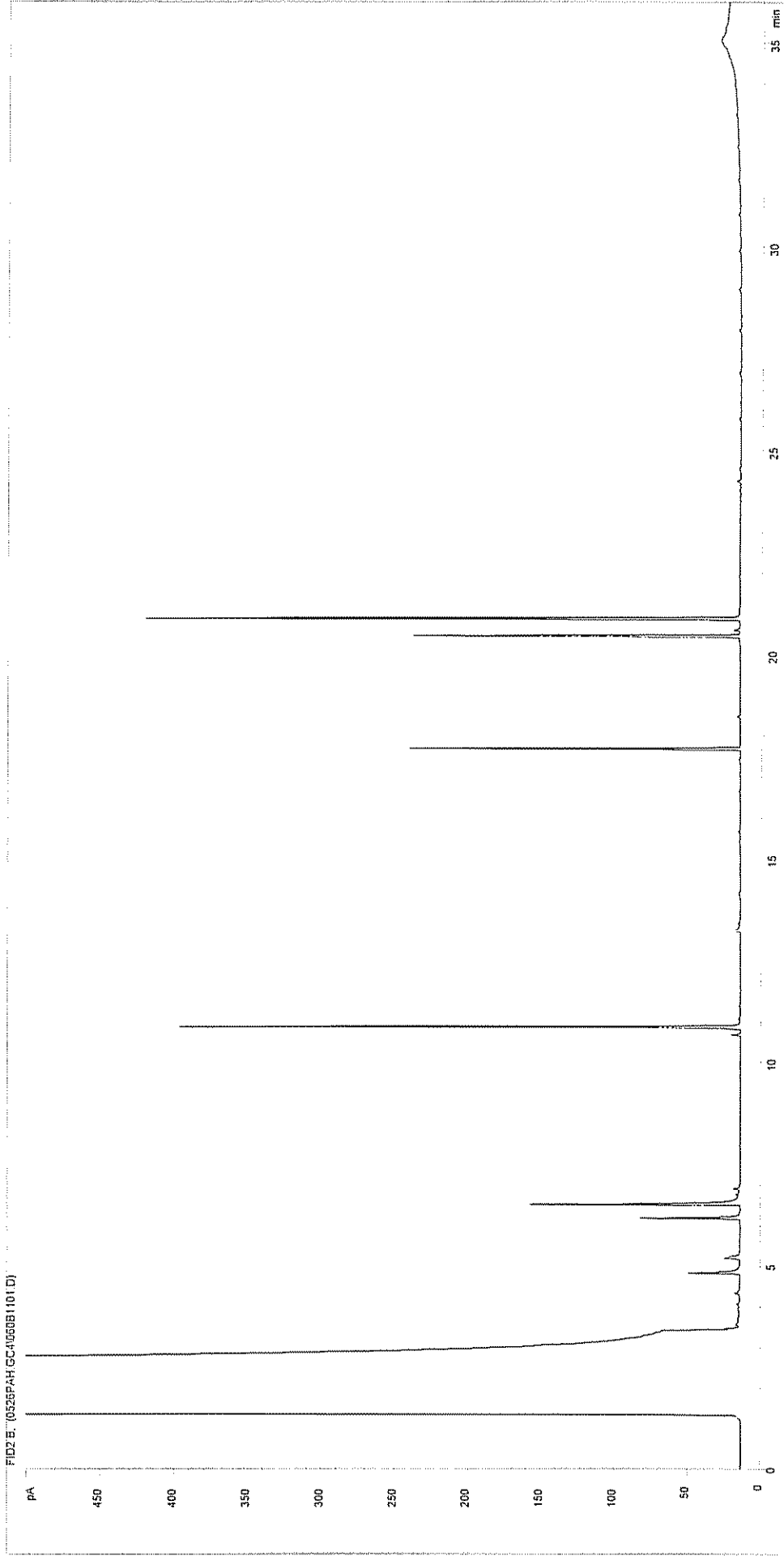
Sample ID: EX0410647
Multiplier: 0.001
Dilution: 1
Acquisition Method: WMF_RUNF.M
Acquisition Date/Time: 30-May-04
Datafile: D:\TES\DATA\0529PAH.GC5\022F2401.D

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410639	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	FAS7
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\059B1001.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410640	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	FAS8
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\060B1101.D		

Report Notes

Soil/Solid analysis specific:

Results expressed as mg/kg unless stated otherwise
S04 analysis not conducted in accordance with BS1377
Water Soluble Sulphate on 2:1 water:soil extract
AR denotes analysis conducted on the As Received sample
co-eluted with benzo(b)fluoranthene
co-eluted with Indeno(123-cd)pyrene
BTEX analysis expressed as ug/kg As Received
Phenol HPLC results expressed as mg/kg As Received

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
T Trace
L Low (2-15%)
M Medium (15-50%)
H High (>50%)

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
* denotes this result not UKAS accredited on this sample
p Raised detection limit due to nature of sample



Our Ref: Lackenby
Your Ref: C00520017
Date: 15/06/04

TES Bretby

PO Box 100
Ashby Road
Burton-upon-Trent
Staffordshire
DE15 0XD

Telephone: 01283 554400
Facsimile: 01283 554422
E-mail: enquiries@tes-bretby.co.uk

Ms B Thompson
Enviros
Sanderson House
Station Road
Horsforth
Leeds

Dear Ms Thompson,

Water Analysis Report – Lackenby.

Please find attached water analysis results for samples from the above site.

The work was carried out in accordance with Mowlem Environmental Sciences Group 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, appearing to read 'J Elstub', written over a series of horizontal lines.

J Elstub
Project Co-ordinator
01283 554500



TEST REPORT WATER SAMPLE ANALYSIS



1252

Combined Report TES Report No. Lackenby

Site: Lackenby

Enviros
Sanderson House
Station Road
Horsforth
Leeds
LS18 5NT

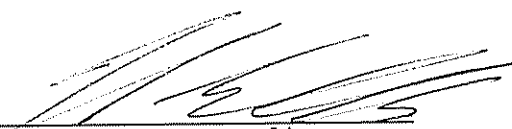
The 10 Samples described in this report were scheduled for analysis by TES Bretby between 04/05/04 and 12/05/04. The analysis was completed by Tuesday, 15 June 2004.

Tests marked as 'not UKAS accredited' and 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
Table of TPH Interpretation Results (1 Page)
Tables of TPH Chromatograms (10 Pages)
Table of Report Notes (1 Page)

On behalf of
TES Bretby :
J Elstub


Project Co-ordinator

Date of Issue: 15/06/04

Tests marked 'not UKAS accredited' in this report are not included
in the UKAS Accreditation Schedule for our laboratory.
TES Bretby accepts no responsibility for the sampling related to the above results

[illegible]

[illegible]

[illegible]

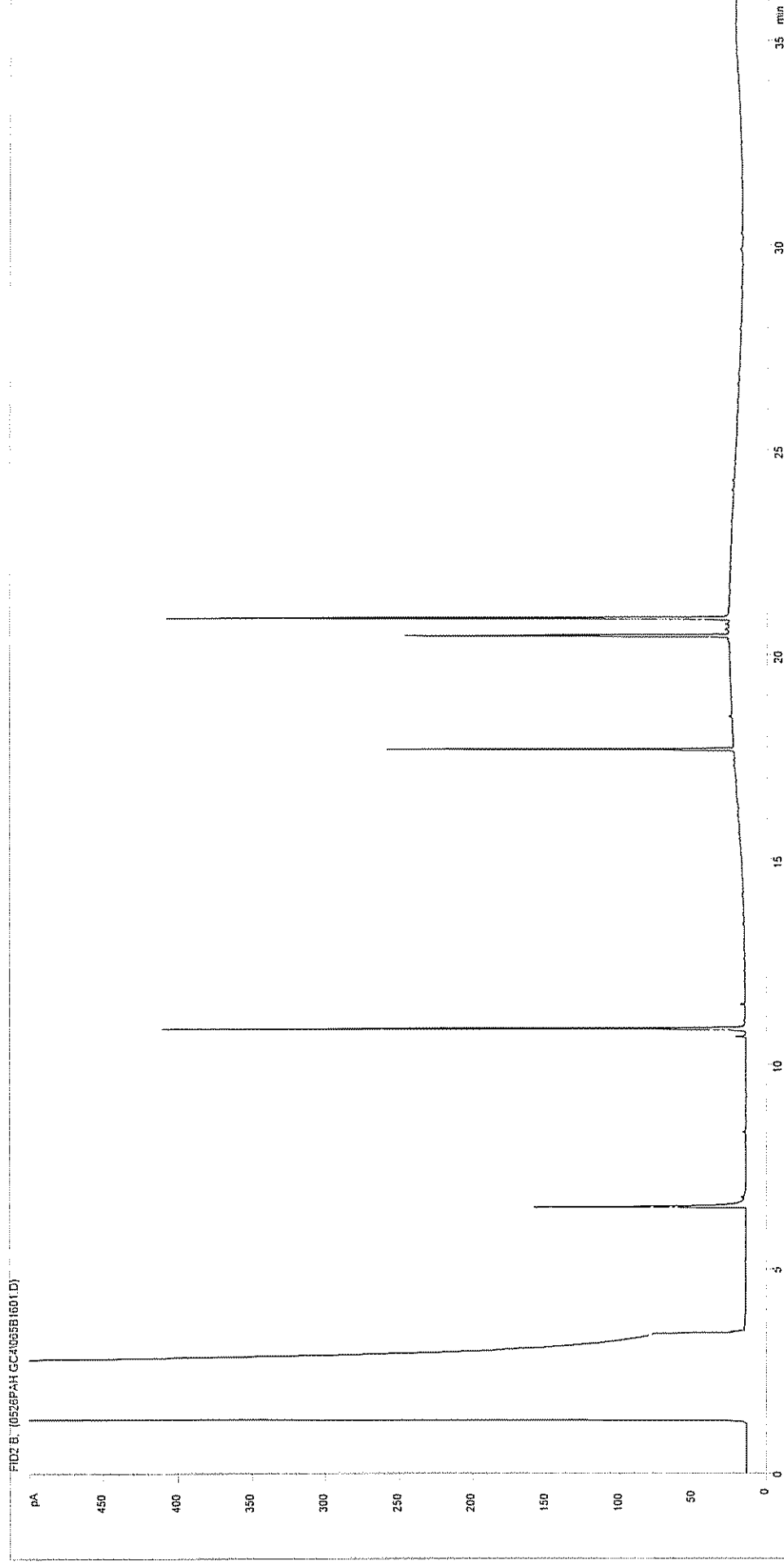
Interpretation of GC/FID Chromatographic data produced during DRO, PAH or TPH test.

Client :	Enviros	Date of assessment :	15-Jun-04
Site	Lackenby	Assessor :	P.W.Ward
Report Number :		Test type :	TPH GC/FID

Lab ID Number	Client ID	Interpretation
EX0410643	7AB1	Low level UCM in the range nC14-nC37+
EX0410649	7AB2	Lean extract, insufficient for ID.
EX0410642	7AB3	Lean extract, insufficient for ID.
EX0410641	7AB4	Lean extract, insufficient for ID.
EX0411090	7AB5	Lean extract, insufficient for ID. Some low level laboratory introduced contamination.
EX0410648	8AB1	Lean extract, insufficient for ID.
EX0410644	8AB2	Lean extract, insufficient for ID.
EX0410981	GAB1	Lean extract, insufficient for ID.
EX0410982	GAB2	Lean extract, insufficient for ID.
EX0410983	GAB3	Lean extract, insufficient for ID.

Authorised by :  G.C. Risdon
Associate Director, Environmental Analysis

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410643

Multiplier:

0.001

Dilution:

1

Acquisition Method:

WMF_RUNF.M

Acquisition Date/Time:

27-May-04

Datafile:

C:\TES\DATA\0526PAH.GC4\065B1601.D

Job Number:

W04_2371

Client:

Enviros

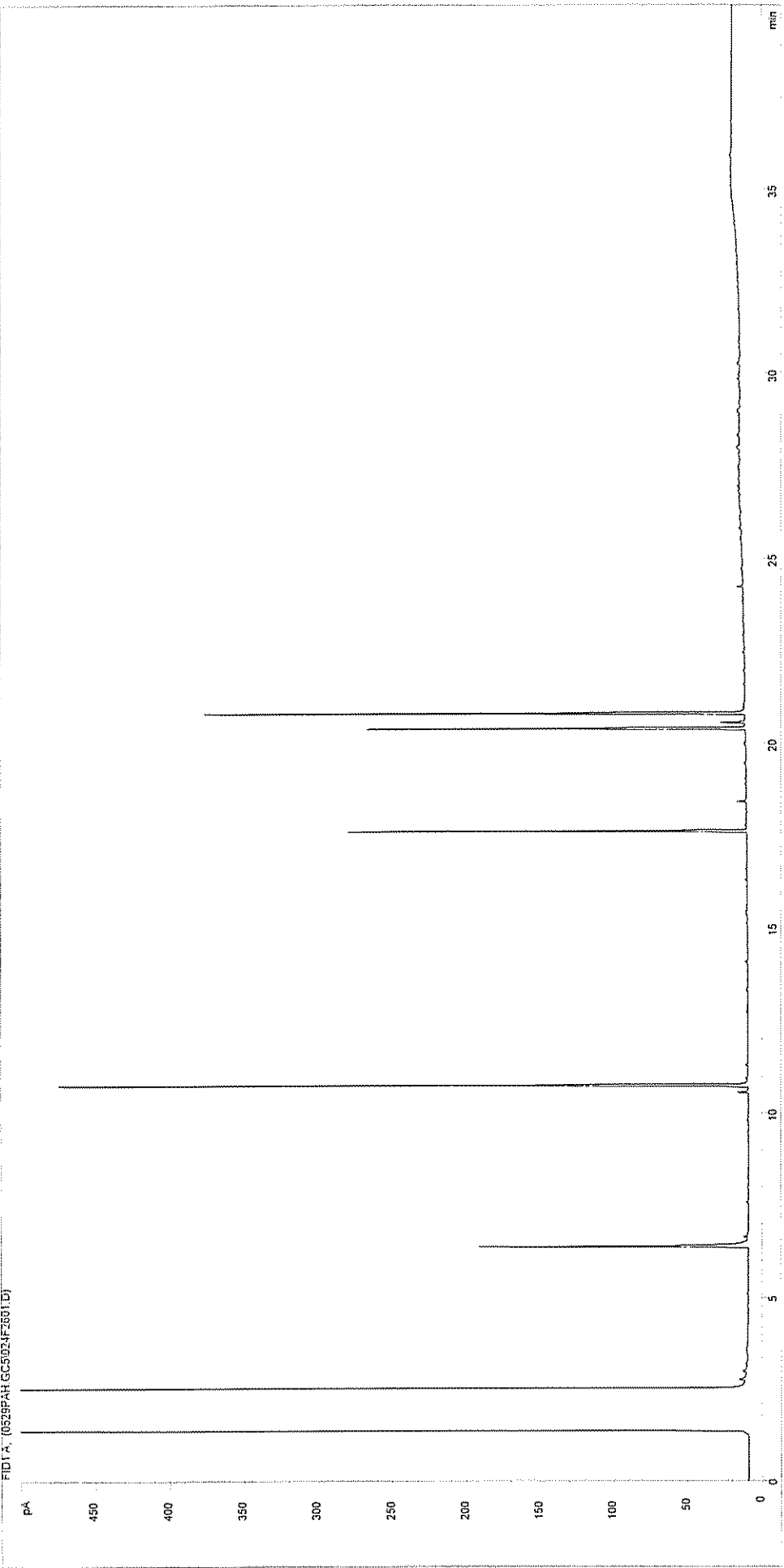
Site:

C00520017A

Client Sample Ref:

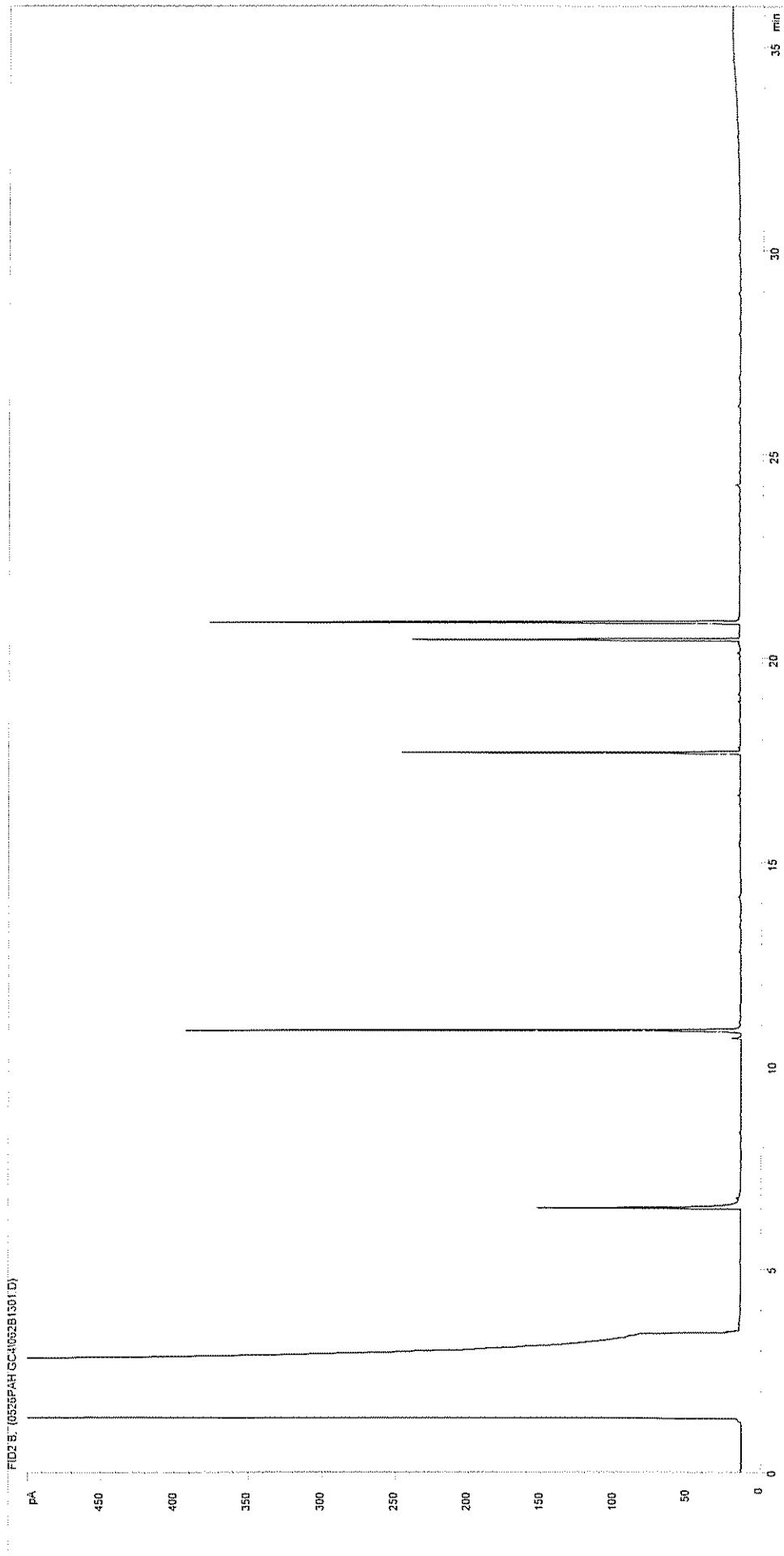
7AB1

Petroleum Hydrocarbons (C8 to C37) by GC/FID



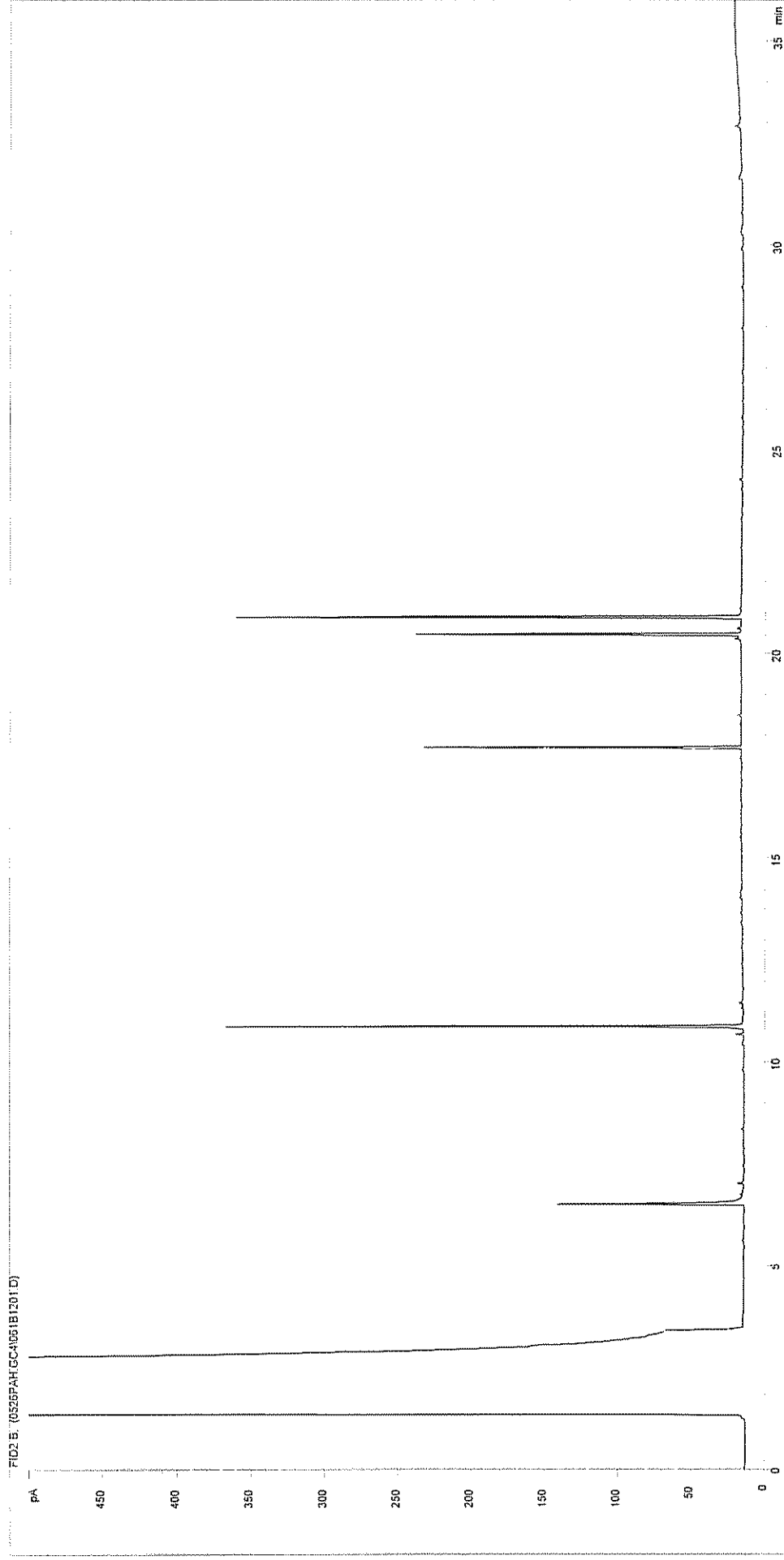
Sample ID:	EX0410649	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1.111	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	7AB2
Acquisition Date/Time:	30-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5\024F2601.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410642	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	7AB3
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0526PAH.GC4\062B1301.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410641

Multiplier:

0.001

Dilution:

1.111

Acquisition Method:

WMF_RUNF.M

Acquisition Date/Time:

27-May-04

Datafile:

C:\TES\DATA\0526PAH.GC4\061B1201.D

Job Number:

W04_2371

Client:

Enviros

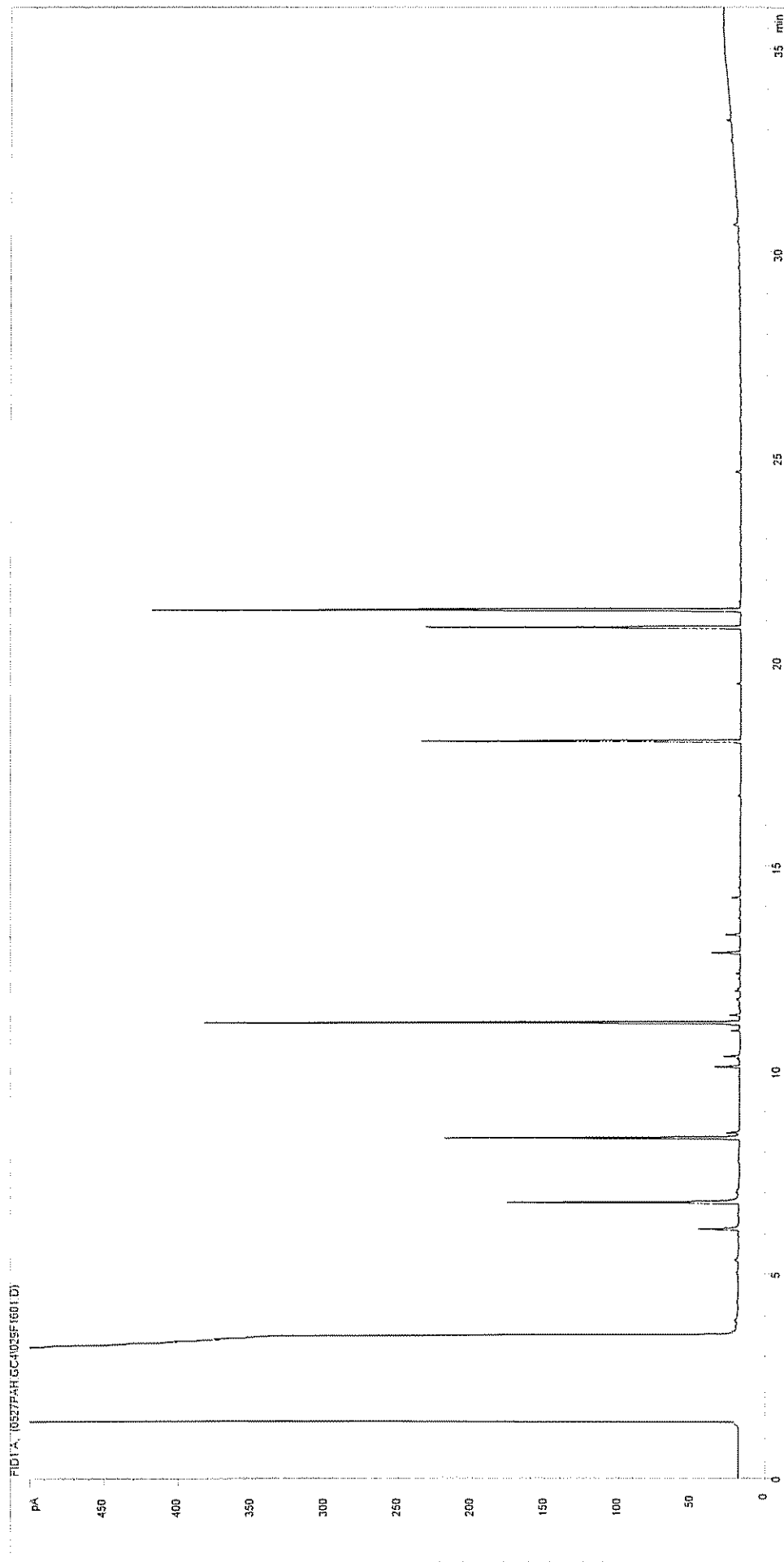
Site:

C00520017A

Client Sample Ref:

7AB4

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0411090

Multiplier:

0.001

Dilution:

3.333

Acquisition Method:

WMF_RUNF.M

Acquisition Date/Time:

28-May-04

Datafile:

C:\TES\DATA\10527PAH.GC4029F1601.D

Job Number:

W04_2451

Client:

Enviros

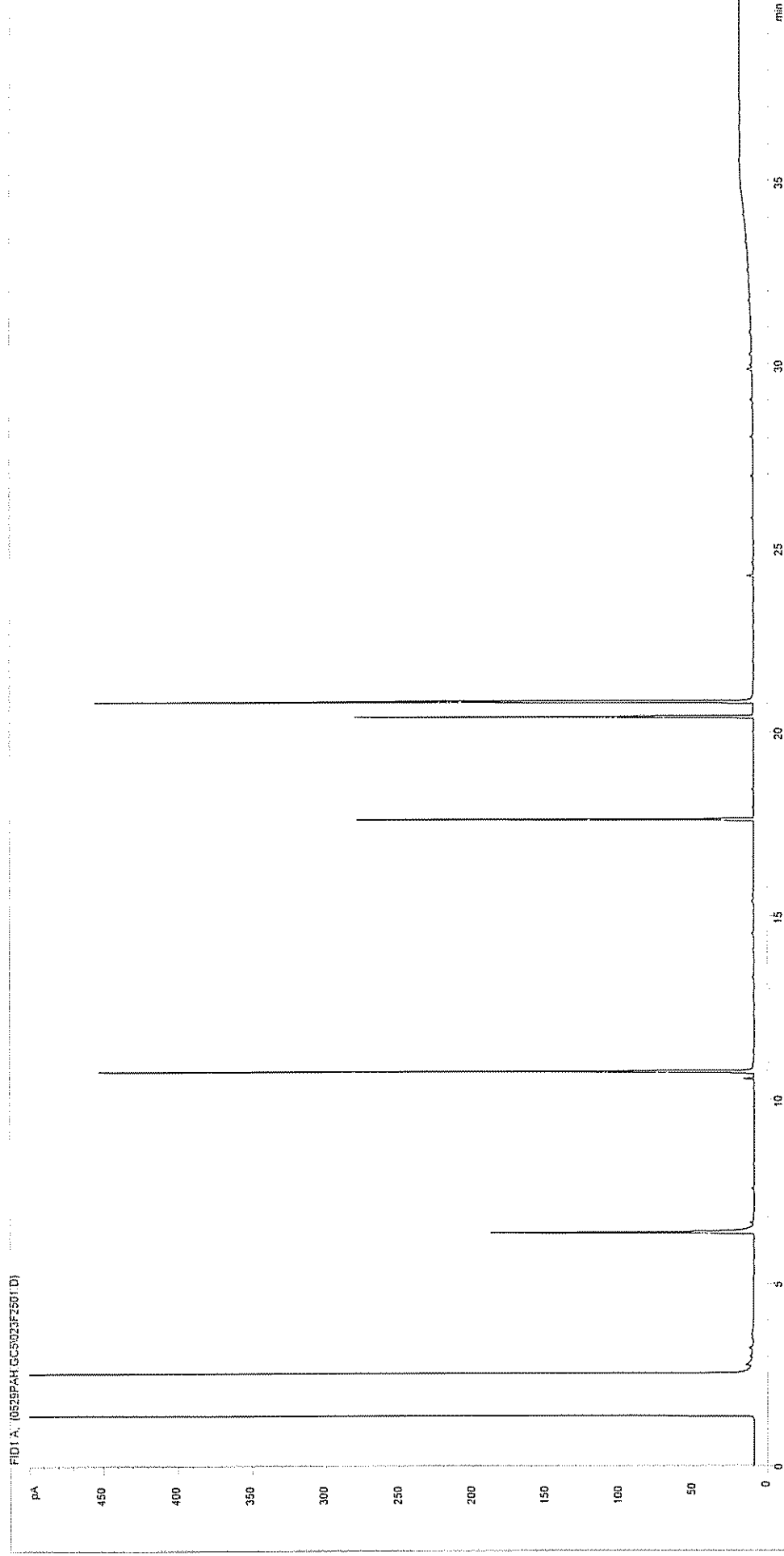
Site:

C00520017A

Client Sample Ref:

7AB5

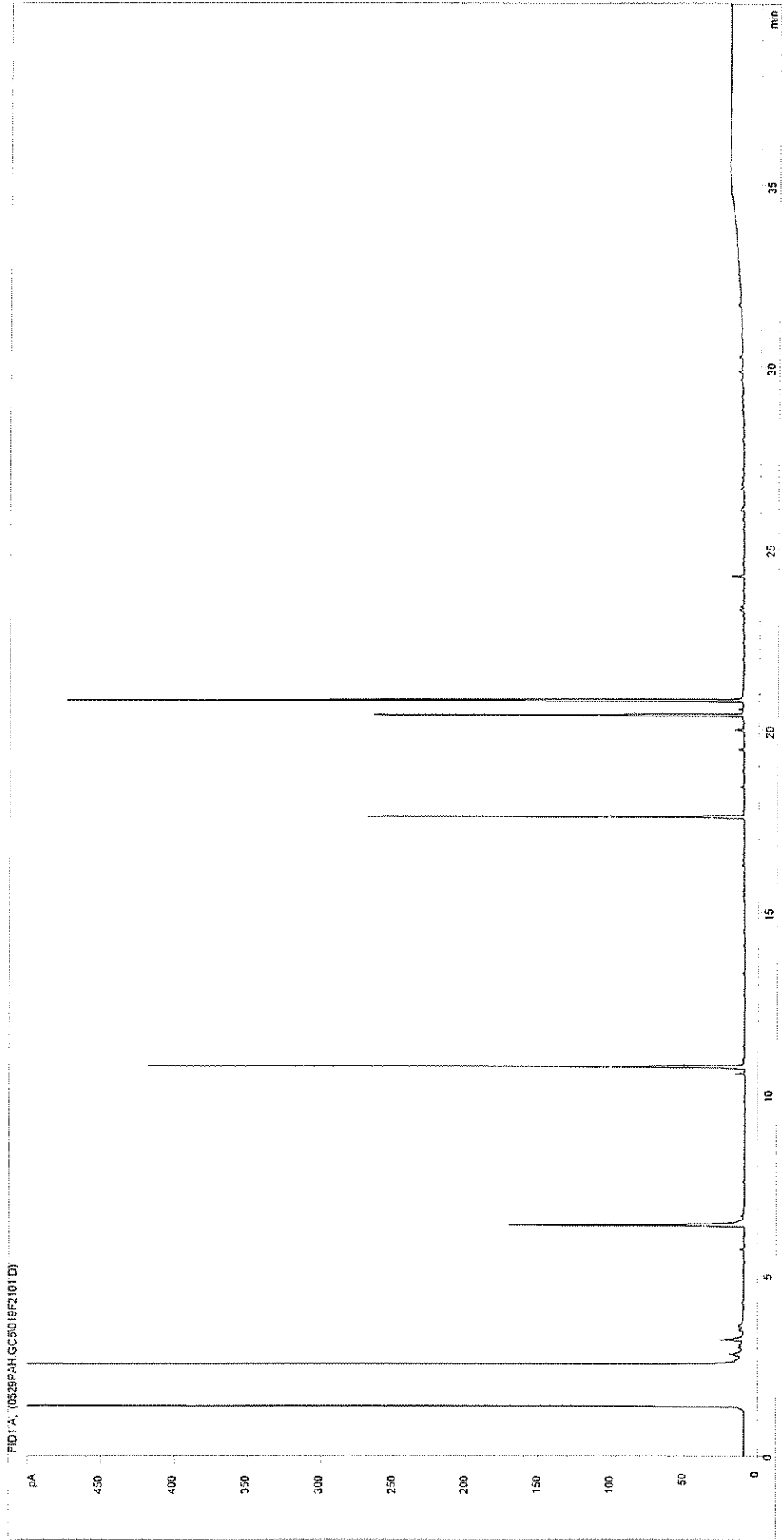
Petroleum Hydrocarbons (C8 to C37) by GC/FID



Job Number: W04_2371
Client: EnviroS
Site: C00520017A
Client Sample Ref: 8AB1

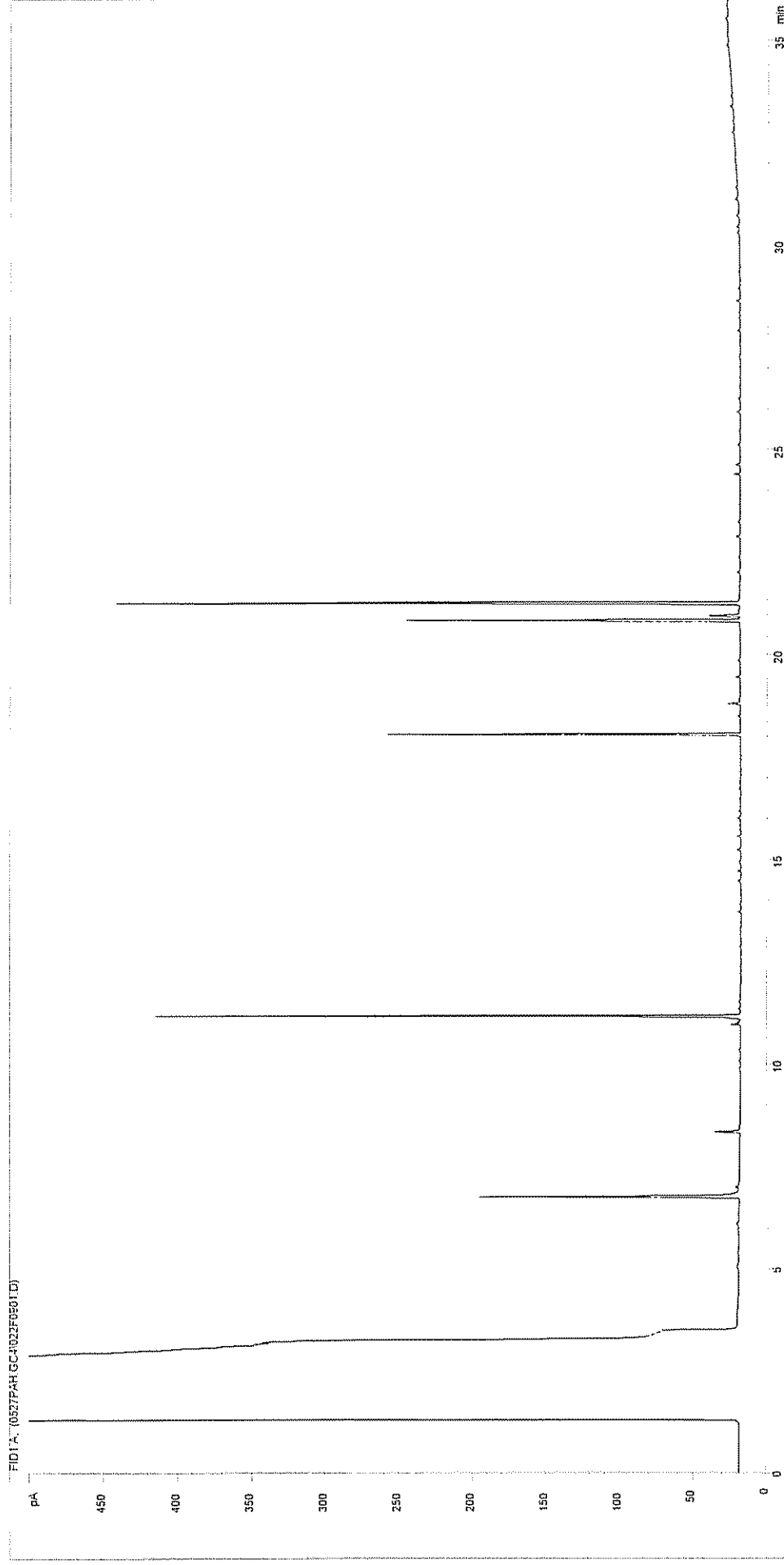
Sample ID: EX0410648
Multiplier: 0.001
Dilution: 1
Acquisition Method: WMF_RUNF.M
Acquisition Date/Time: 30-May-04
Datafile: D:\TES\DATA\0529PAH.GC5\023F2501.D

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410644	Job Number:	W04_2371
Multiplier:	0.001	Client:	Enviros
Dilution:	1.43	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	7AB2
Acquisition Date/Time:	30-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5\019F2101.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0410981

Multiplier:

0.001

Dilution:

1

Acquisition Method:

WMF_RUNF.M

Acquisition Date/Time:

27-May-04

Datafile:

C:\TES\DATA\0527PAH.GC4\022F0901.D

Job Number:

W04_2426

Client:

Enviros

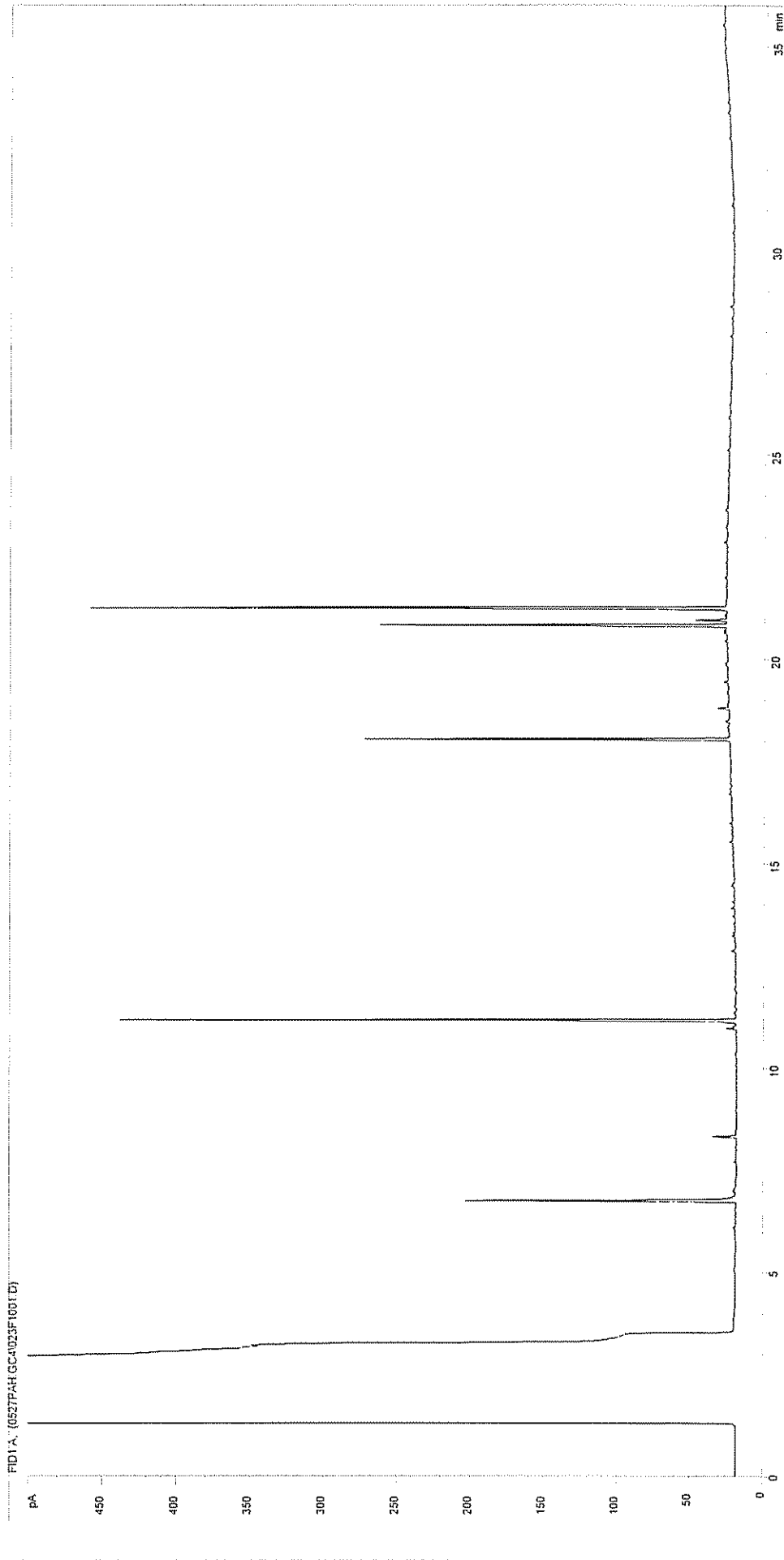
Site:

C00520017A

Client Sample Ref:

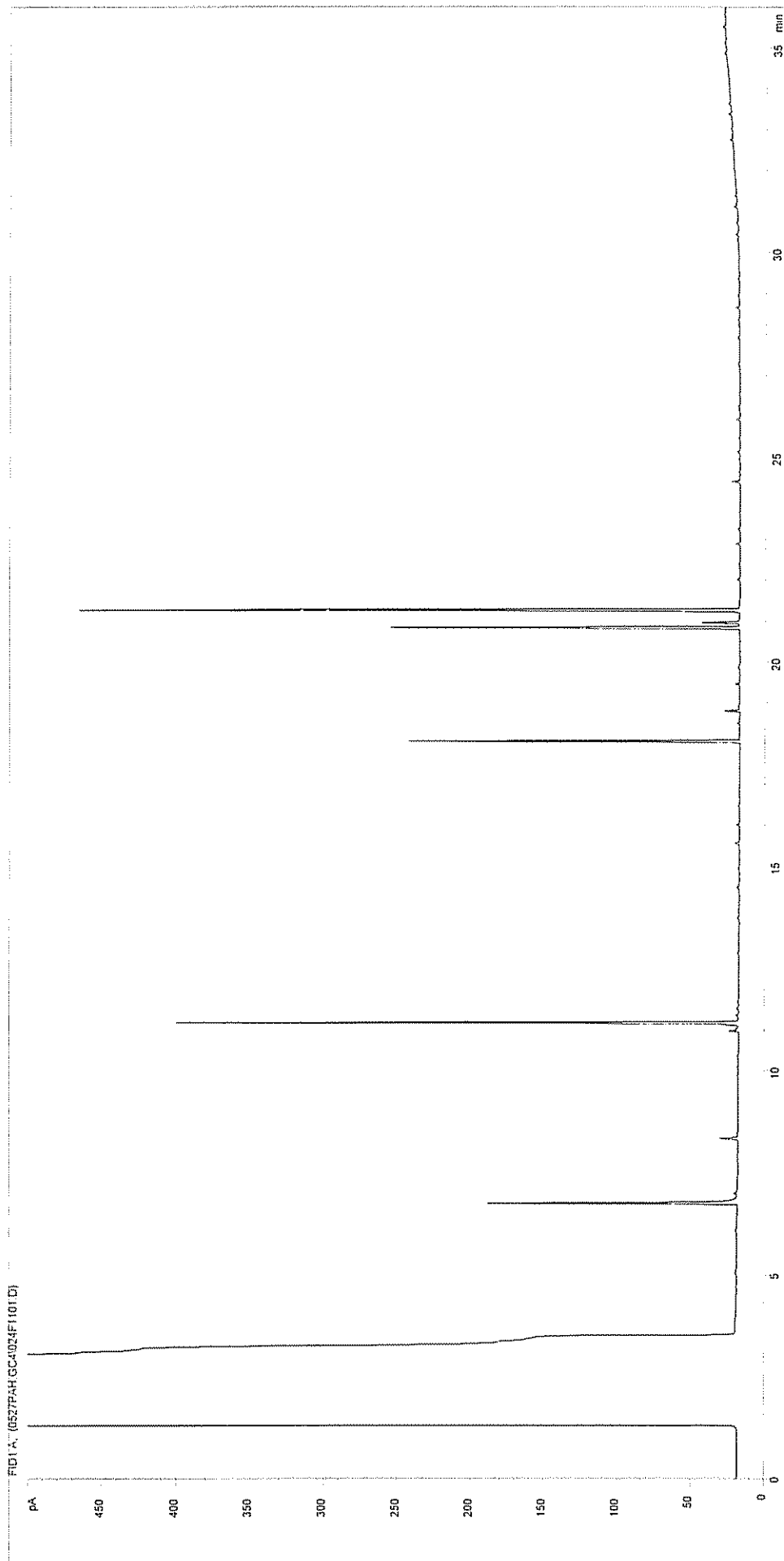
GAB1

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410982	Job Number:	W04_2426
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	GAB2
Acquisition Date/Time:	27-May-04		
Datafile:	C:\TES\DATA\0527PAH.GC4\023F1001.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0410983	Job Number:	W04_2426
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	GAB3
Acquisition Date/Time:	28-May-04		
Datafile:	C:\TES\DATA\0527PAH.GC4024F1101.D		



Our Ref: Cleveland
Your Ref: C00520017
Date: 15/06/04

TES Bretby

PO Box 100
Ashby Road
Burton-upon-Trent
Staffordshire
DE15 0XD

Telephone: 01283 554400
Facsimile: 01283 554422
E-mail: enquiries@tes-bretby.co.uk

Ms B Thompson
Enviros
Sanderson House
Station Road
Horsforth
Leeds

Dear Ms Thompson,

Water Analysis Report – Cleveland.

Please find attached water analysis results for samples from the above site.

The work was carried out in accordance with Mowlem Environmental Sciences Group 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, appearing to read 'J Elstob', written over a series of horizontal lines.

J Elstob
Project Co-ordinator
01283 554500



TEST REPORT WATER SAMPLE ANALYSIS



1252

Combined Report TES Report No. Cleveland

Site: Cleveland

Enviros
Sanderson House
Station Road
Horsforth
Leeds
LS18 5NT

The 10 Samples described in this report were scheduled for analysis by TES Bretby between 04/05/04 and 12/05/04. The analysis was completed by Tuesday, 15 June 2004.

Tests marked as 'not UKAS accredited' and 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
Table of TPH Interpretation Results (1 Page)
Tables of TPH Chromatograms (10 Pages)
Table of Report Notes (1 Page)

On behalf of
TES Bretby : 
J Elstub Project Co-ordinator

Date of Issue: 15/06/04

Tests marked 'not UKAS accredited' in this report are not included in the UKAS Accreditation Schedule for our laboratory.
TES Bretby accepts no responsibility for the sampling related to the above results.

[illegible]

[illegible]

[illegible]

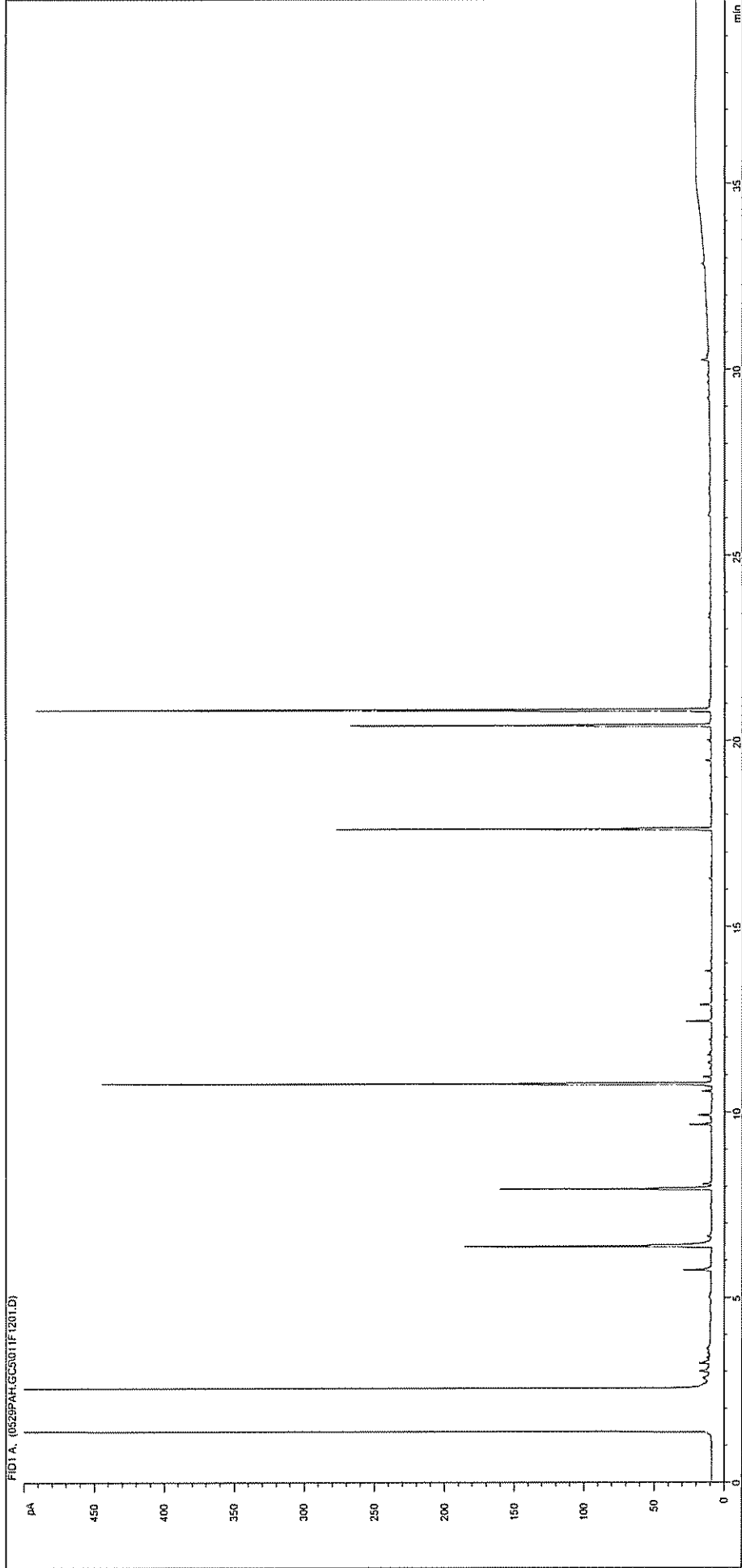
Interpretation of GC/FID Chromatographic data produced during DRO, PAH or TPH test.

Client :	Enviros	Date of assessment :	15-Jun-04
Site	Cleveland	Assessor :	P.W.Ward
Report Number :		Test type	TPH GCFID

Lab ID Number	Client ID	Interpretation
EX0411641	1AB1	Lean extract, insufficient for ID.
EX0411636	2AB1	Large presence of PAHs.
EX0411639	2AB2	Presence of PAHs.
EX0411638	2AB3	Lean extract, insufficient for ID.
EX0411637	3AB2	Lean extract, insufficient for ID.
EX0410984	4AB1	Presence of PAHs. Mineral Oil style UCM in the range nC18-nC37+ Some unidentified fine structure.
EX0411050	4AB2	Presence of PAHs. Mineral Oil style UCM in the range nC18-nC37+ Some unidentified fine structure.
EX0411642	4AB3	Presence of PAHs.
EX0410985	4AB4	Lean extract, insufficient for ID.
EX0411640	DAB1	Presence of PAHs.

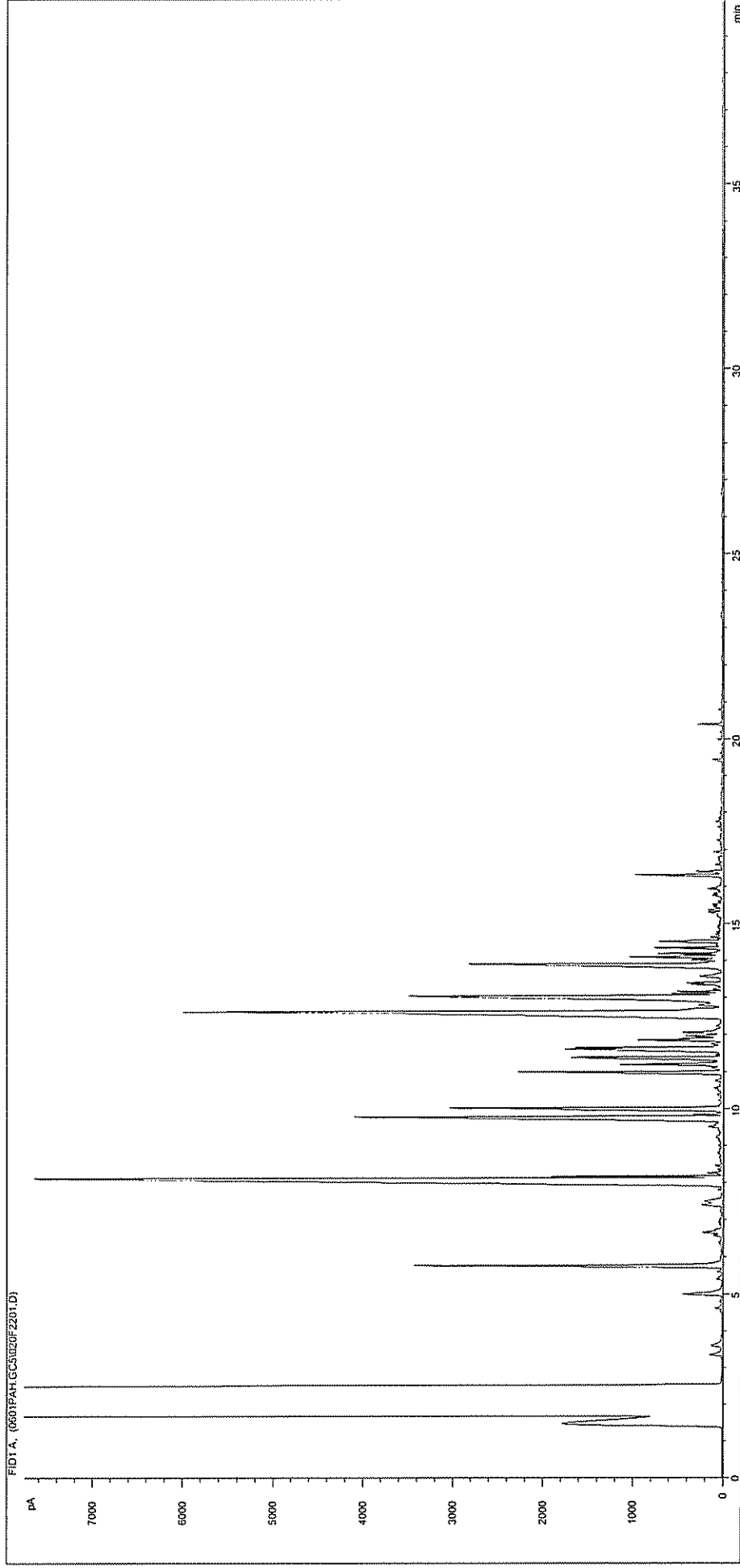
Authorised by :  G.C. Risdon
Associate Director, Environmental Analysis

Petroleum Hydrocarbons (C8 to C37) by GC/FID



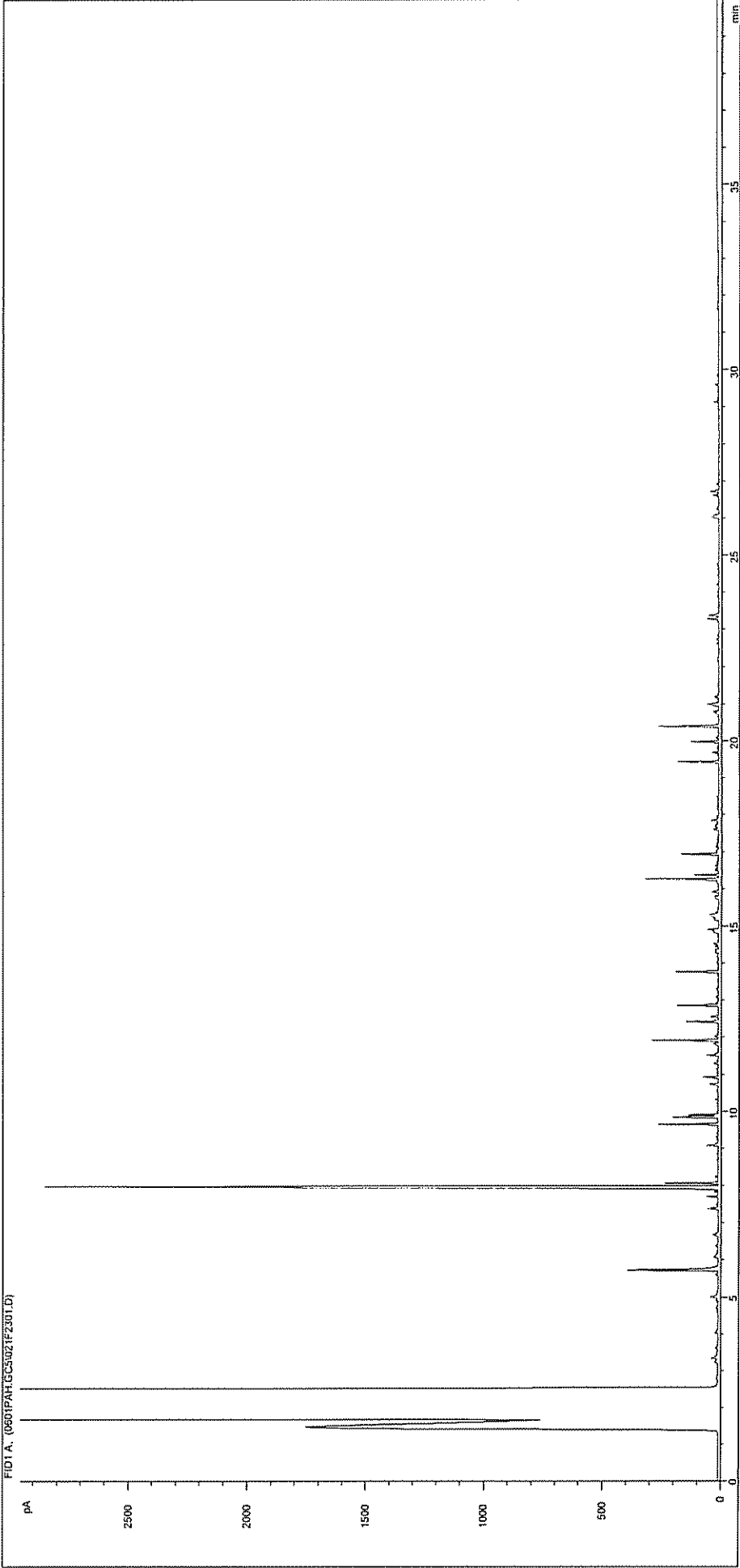
Sample ID:	EX0411641	Job Number:	W04_2565
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	1AB1
Acquisition Date/Time:	29-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5011F1201.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



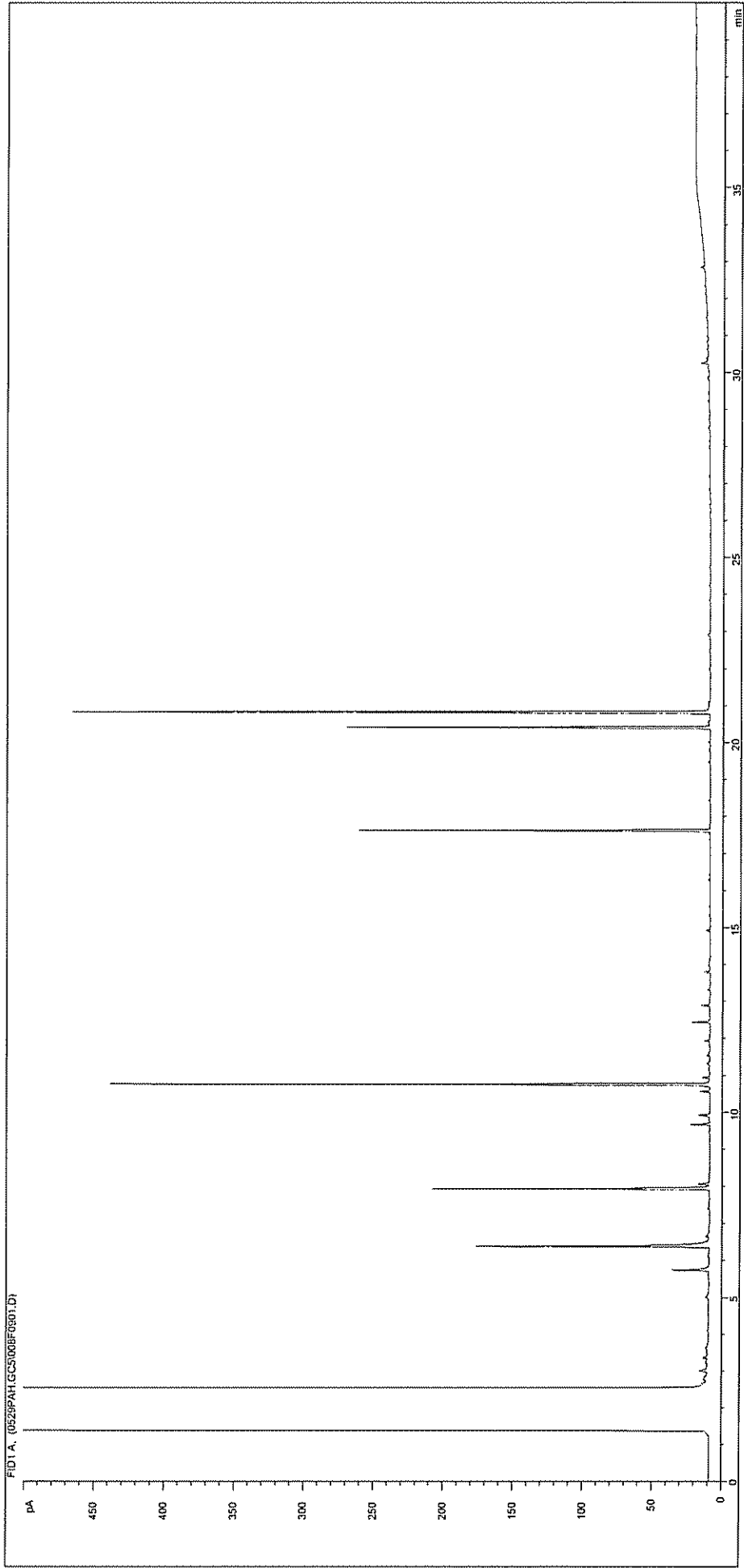
Sample ID:	EX0411636*10	Job Number:	W04_2565
Multiplier:	0.001	Client:	Enviros
Dilution:	10	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	2AB1
Acquisition Date/Time:	02-Jun-04		
Datafile:	D:\TES\DATA\0601PAH.GC5\020F2201.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



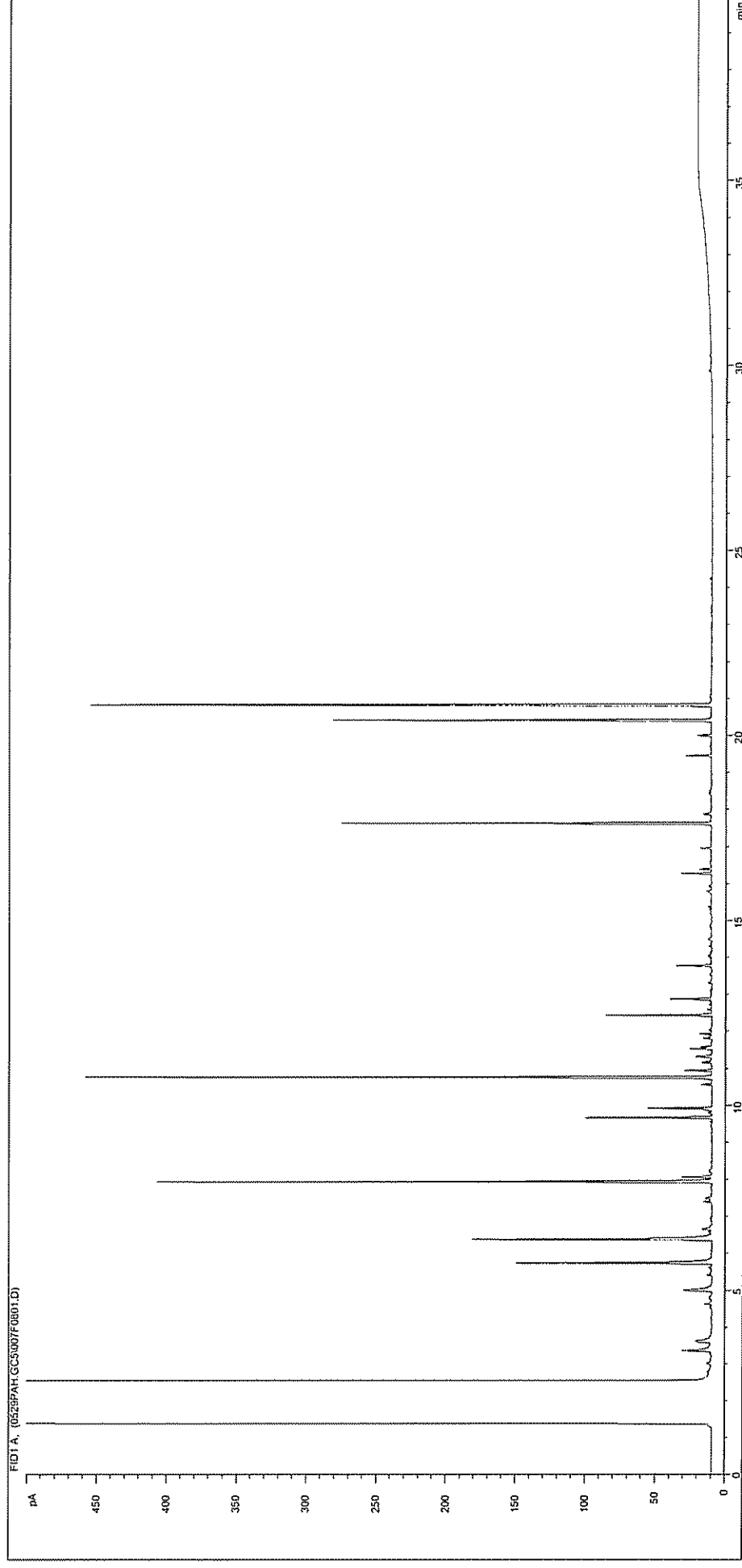
Sample ID:	EX0411639*10	Job Number:	W04_2565
Multiplier:	0.001	Client:	Enviros
Dilution:	10	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	2AB2
Acquisition Date/Time:	02-Jun-04		
Datafile:	D:\TES\DATA\0601PAH.GC5\021F2301.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0411638	Job Number:	W04_2565
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	2AB3
Acquisition Date/Time:	29-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5\008F0901.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

EX0411637

Job Number:

W04_2565

Multiplier:

0.001

Client:

Enviros

Dilution:

1

Site:

C00520017A

Acquisition Method:

WMF_RUNF.M

Client Sample Ref:

3AB2

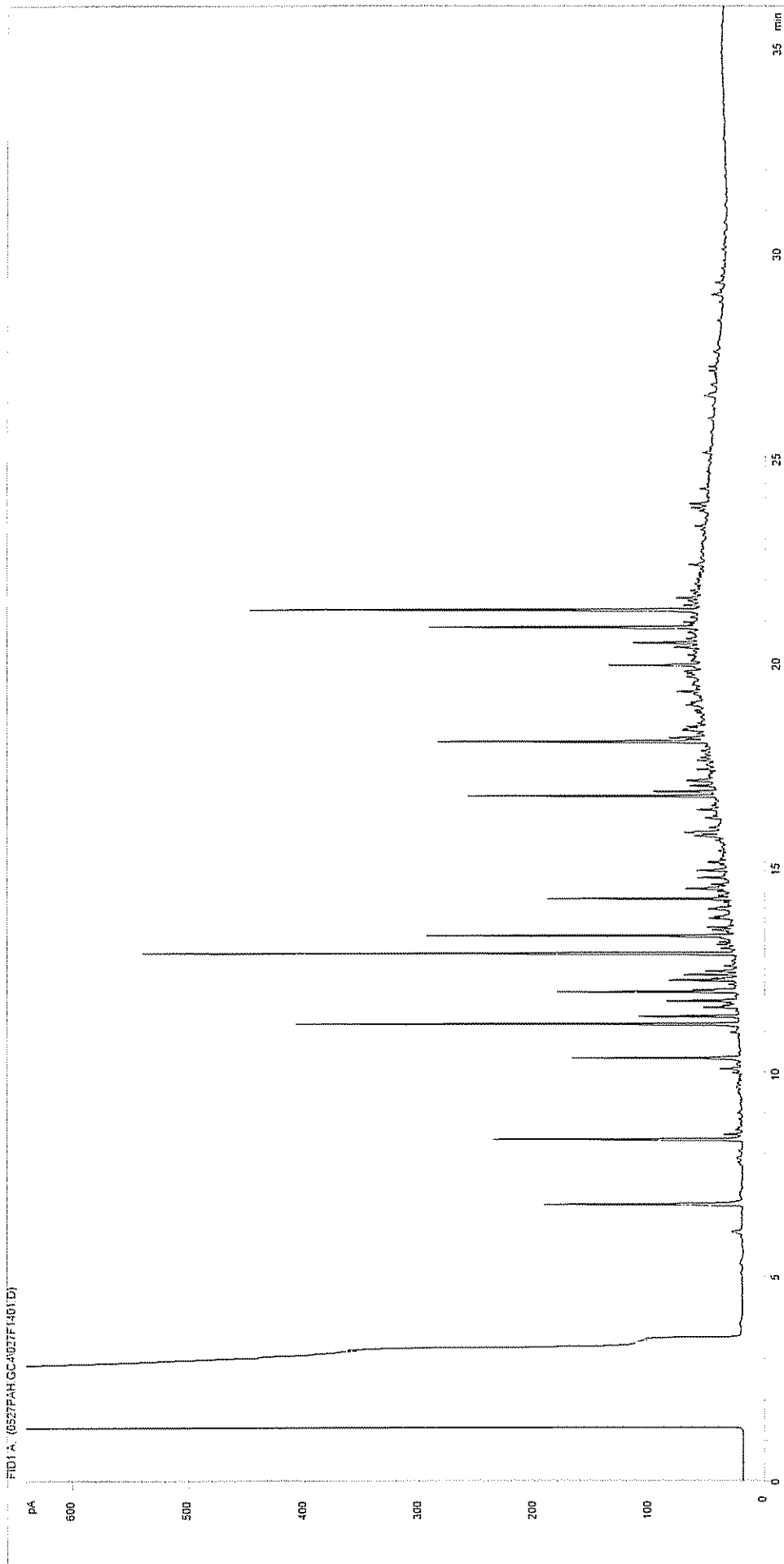
Acquisition Date/Time:

29-May-04

Datafile:

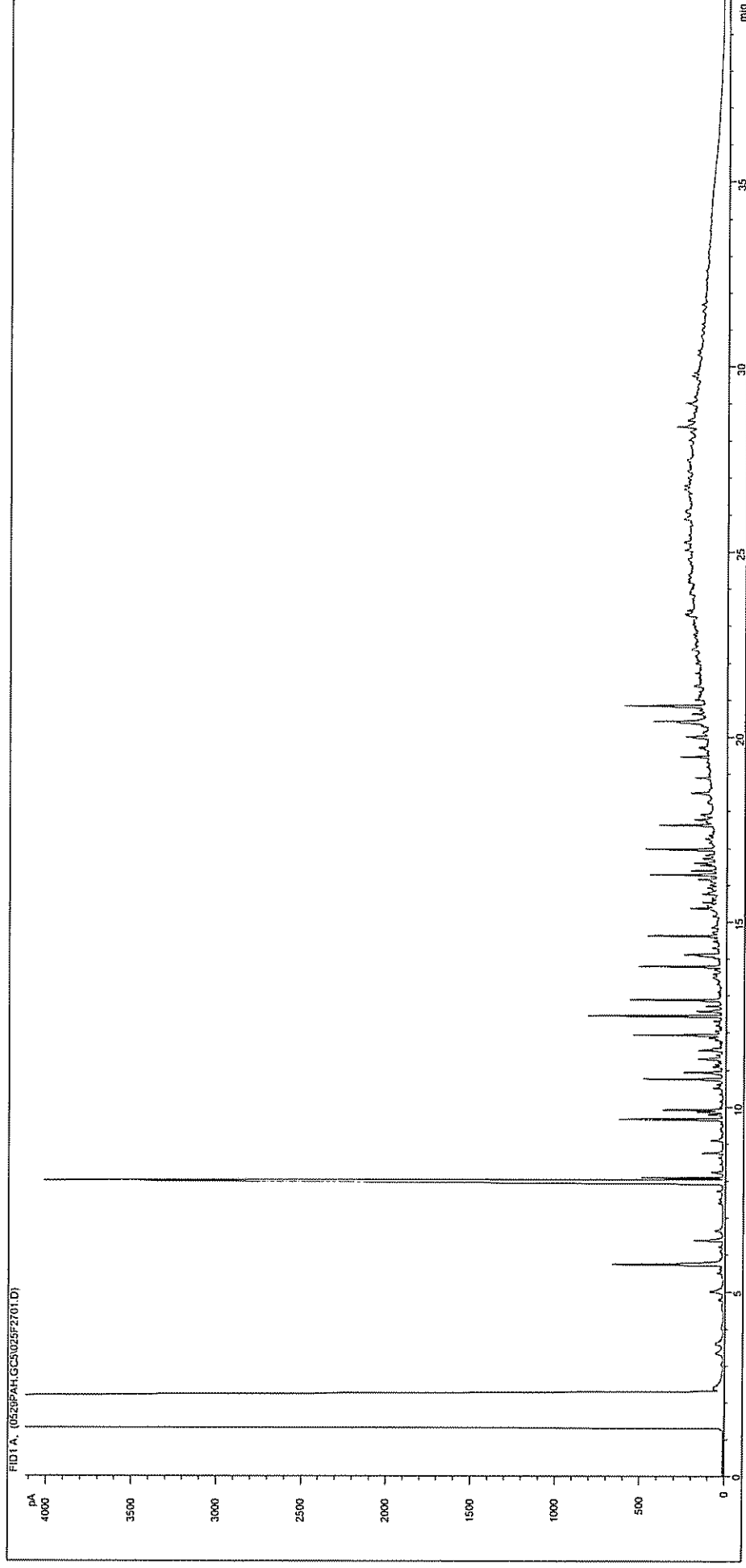
D:\TES\DATA\0529PAH.GC5\007F0801.D

Petroleum Hydrocarbons (C8 to C37) by GC/FID



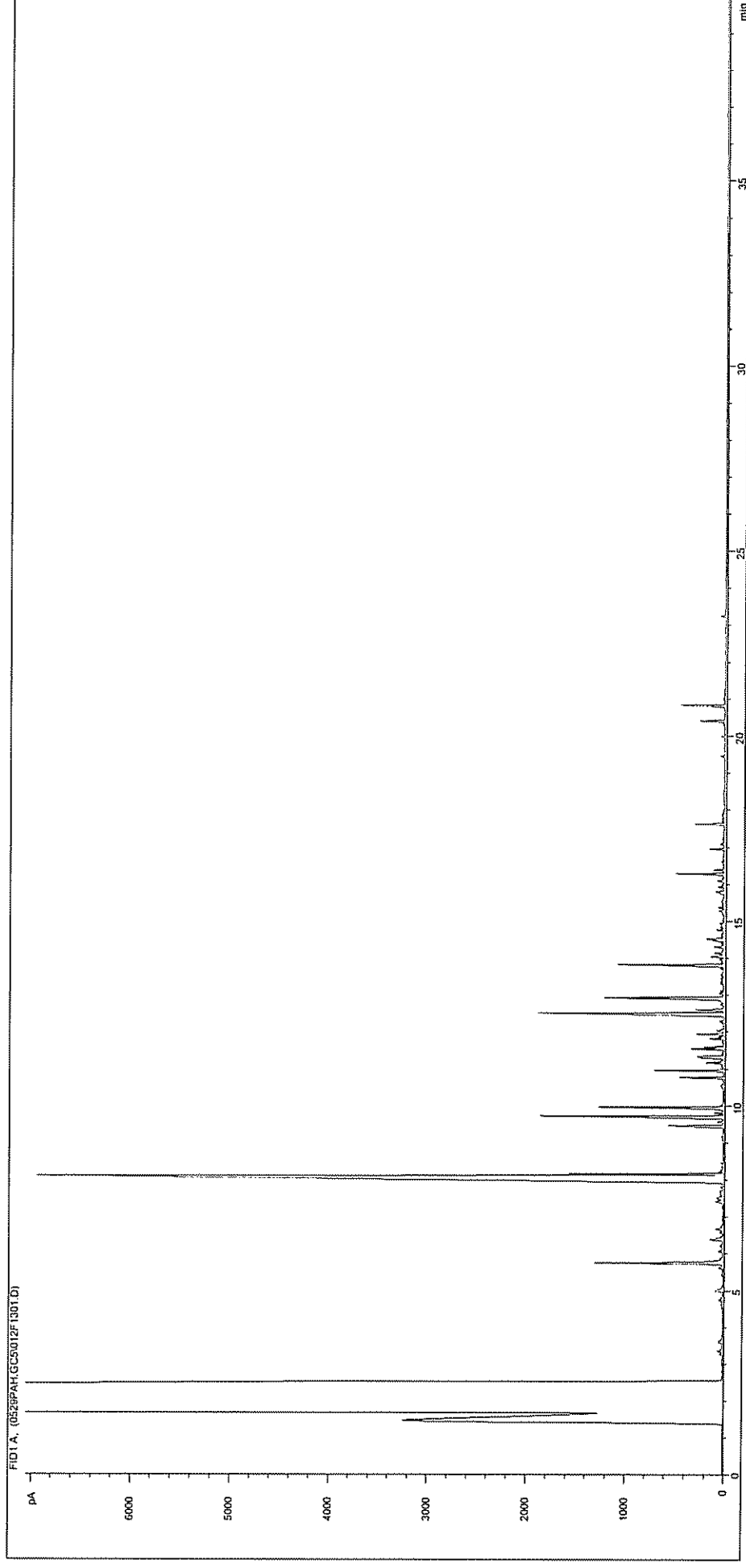
Sample ID:	EX0410984	Job Number:	W04_2426
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	4AB1
Acquisition Date/Time:	28-May-04		
Datafile:	C:\TES\DATA\0527PAH.GC4027F1401.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



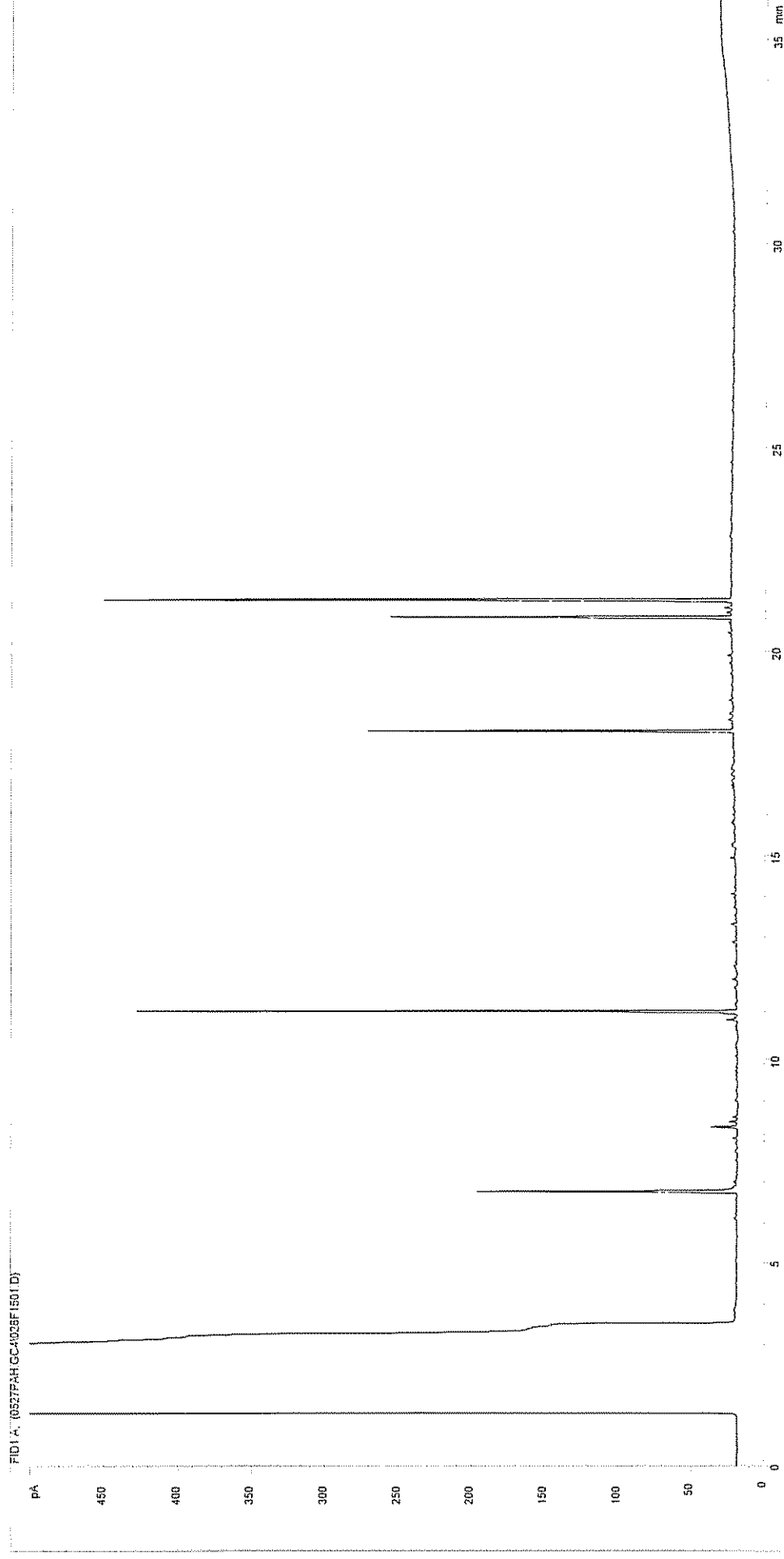
Sample ID:	EX0411050	Job Number:	W04_2438
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	4AB2
Acquisition Date/Time:	30-May-04		
Datafile:	D:\TESIDATA\0525PAH.GC5\025F2701.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0411642	Job Number:	W04_2565
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	4AB3
Acquisition Date/Time:	29-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC5012F1301.D		

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:

Multiplier:

Dilution:

Acquisition Method:

Acquisition Date/Time:

Datafile:

EX0410985

0.001

1

WMF_RUNF.M

28-May-04

C:\TES\DATA\0527PAH.GC4028F1501.D

Job Number:

Client:

Site:

Client Sample Ref:

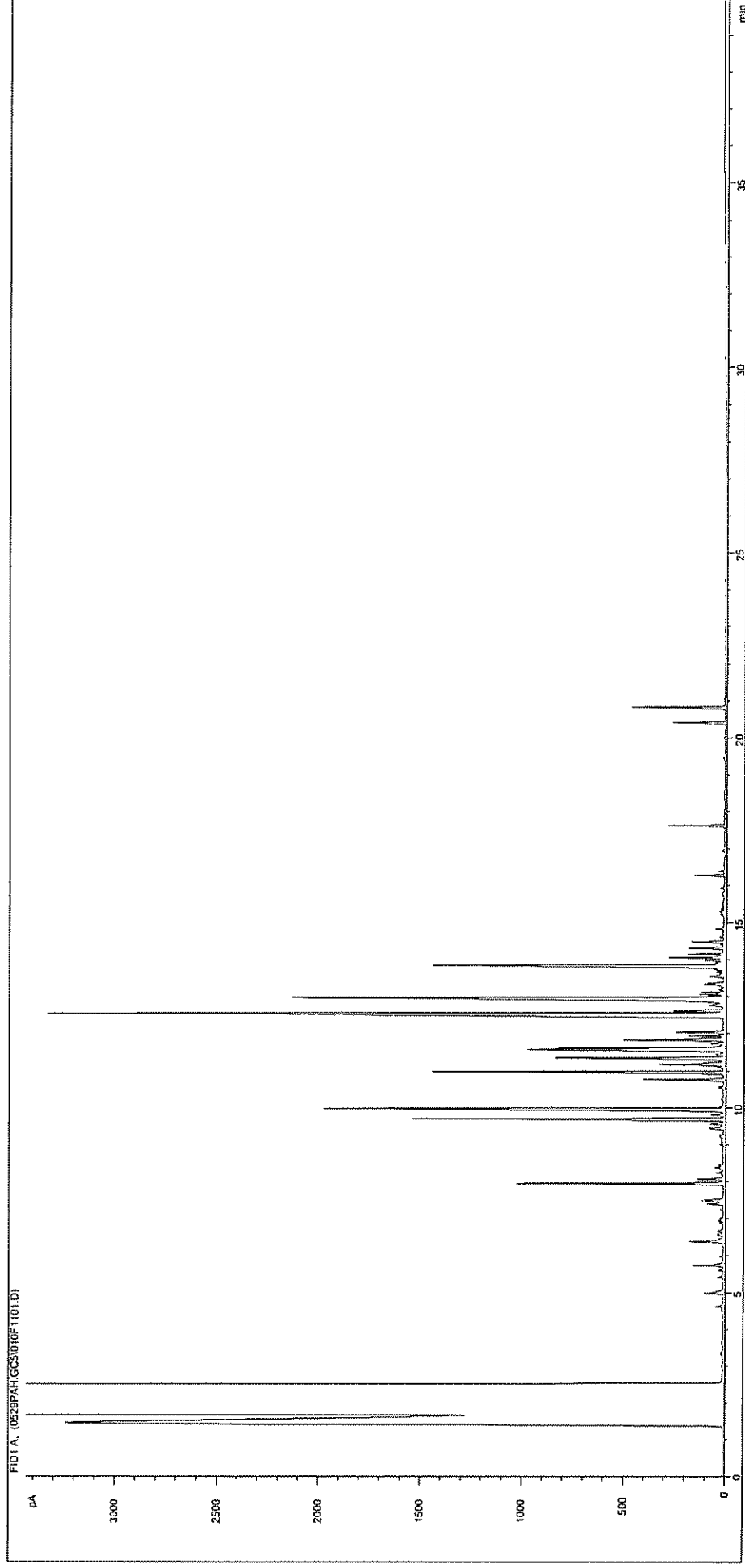
W04_2426

Enviros

C00520017A

4AB4

Petroleum Hydrocarbons (C8 to C37) by GC/FID



Sample ID:	EX0411640	Job Number:	W04_2565
Multiplier:	0.001	Client:	Enviros
Dilution:	1	Site:	C00520017A
Acquisition Method:	WMF_RUNF.M	Client Sample Ref:	DAB1
Acquisition Date/Time:	29-May-04		
Datafile:	D:\TES\DATA\0529PAH.GC51010F1101.D		

Report Notes

Soil/Solid analysis specific:

Results expressed as mg/kg unless stated otherwise
S04 analysis not conducted in accordance with BS1377
Water Soluble Sulphate on 2:1 water:soil extract
AR denotes analysis conducted on the As Received sample
co-eluted with benzo(b)fluoranthene
co-eluted with Indeno(123-cd)pyrene
BTEX analysis expressed as ug/kg As Received
Phenol HPLC results expressed as mg/kg As Received

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
T Trace
L Low (2-15%)
M Medium (15-50%)
H High (>50%)

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
* denotes this result not UKAS accredited on this sample
b Raised detection limit due to nature of sample