

ENCLOSURE D

Laboratory Test Results Groundwater

[illegible]

Gasoline Range Organics (BTEX and Aliphatic Carbon Ranges)

Customer and Site Details: Ground Investigation Ltd: Afan Way, Port Talbot
Job Number: W07_5374
Directory: 1002HSA_GC6
Method: Headspace GCFID

Matrix: Water
Date Booked in: 26-Sep-07
Date extracted: 02-Oct-07
Date Analysed: 03-Oct-07

*** Sample data with an asterisk are not UKAS accredited.**

[illegible]

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.

Polychlorinated Biphenyls (congeners)

Customer and Site Details:	Ground Investigation Ltd: Afan Way, Port Talbot
Job Number:	W07_5374
QC Batch Number:	072988
Directory:	1001PCB.GC1
Method:	Separating Funnel

Matrix: Water
Date Booked in: 26-Sep-07
Date Extracted: 28-Sep-07
Date Analysed: 01-Oct-07

*** This sample data is not UKAS accredited.**

[illegible]

Semi-Volatile Organic Compounds

UKAS accredited?: No

Customer and Site Details:

Ground Investigation Ltd: Afan Way, Port Talbot

Sample Details:

BH1

LIMS ID Number:

EX0725484

Job Number:

W07_5374

Date Booked in:

26-Sep-07

Date Extracted:

27-Sep-07

Date Analysed:

02-Oct-07

Matrix:

Water

Ext Method:

Sep. Funnel

Operator:

AB/AK

Directory/Quant File:

1001ABN.MS4\ 1001CCC3.D

QC Batch Number:

2981

Multiplier:

0.002

Dilution Factor:

1

GPC (Y/N)

N

Target Compounds	CAS #	R.T. (min)	Concentration mg/l	% Fit
Phenol	108-95-2	-	< 0.020	-
bis(2-Chloroethyl)ether	111-44-4	-	< 0.005	-
2-Chlorophenol	95-57-8	-	< 0.020	-
1,3-Dichlorobenzene	541-73-1	-	< 0.005	-
1,4-Dichlorobenzene	106-46-7	-	< 0.005	-
Benzyl alcohol	100-51-6	-	< 0.005	-
1,2-Dichlorobenzene	95-50-1	-	< 0.005	-
2-Methylphenol	95-48-7	-	< 0.005	-
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.005	-
Hexachloroethane	67-72-1	-	< 0.005	-
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.005	-
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 0.020	-
Nitrobenzene	98-95-3	-	< 0.005	-
Isophorone	78-59-1	-	< 0.005	-
2-Nitrophenol	88-75-5	-	< 0.020	-
2,4-Dimethylphenol	105-67-9	-	< 0.020	-
Benzoic Acid	65-85-0 *	-	< 0.100	-
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.005	-
2,4-Dichlorophenol	120-83-2	-	< 0.020	-
1,2,4-Trichlorobenzene	120-82-1	-	< 0.005	-
Naphthalene	91-20-3	-	< 0.002	-
4-Chlorophenol	106-48-9	-	< 0.020	-
4-Chloroaniline	106-47-8 *	-	< 0.005	-
Hexachlorobutadiene	87-68-3	-	< 0.005	-
4-Chloro-3-methylphenol	59-50-7	-	< 0.005	-
2-Methylnaphthalene	91-57-6	-	< 0.002	-
1-Methylnaphthalene	90-12-0	-	< 0.002	-
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.005	-
2,4,6-Trichlorophenol	88-06-2	-	< 0.020	-
2,4,5-Trichlorophenol	95-95-4	-	< 0.020	-
2-Chloronaphthalene	91-58-7	-	< 0.002	-
Biphenyl	92-52-4	-	< 0.002	-
Diphenyl ether	101-84-8	-	< 0.002	-
2-Nitroaniline	88-74-4	-	< 0.005	-
Acenaphthylene	208-96-8	-	< 0.002	-
Dimethylphthalate	131-11-3	-	< 0.005	-
2,6-Dinitrotoluene	606-20-2	-	< 0.005	-
Acenaphthene	83-32-9	-	< 0.002	-
3-Nitroaniline	99-09-2	-	< 0.005	-

Compounds marked with a * are reported not UKAS.

Concentrations are reported on a wet weight basis.

*M" denotes that % fit has been manually interpreted

Target Compounds	CAS #	R.T.	Concentration mg/l	% Fit
2,4-Dinitrophenol	51-28-5 *	-	< 0.010	-
Dibenzofuran	132-64-9	-	< 0.005	-
4-Nitrophenol	100-02-7	-	< 0.050	-
2,4-Dinitrotoluene	121-14-2	-	< 0.005	-
Fluorene	86-73-7	-	< 0.002	-
Diethylphthalate	84-66-2	-	< 0.005	-
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.005	-
4,6-Dinitro-2-methylphenol	534-52-1	-	< 0.050	-
4-Nitroaniline	100-01-6	-	< 0.005	-
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.005	-
4-Bromophenyl-phenylether	101-55-3	-	< 0.005	-
Hexachlorobenzene	118-74-1	-	< 0.005	-
Pentachlorophenol	87-86-5	-	< 0.050	-
Phenanthrene	85-01-8	-	< 0.002	-
Anthracene	120-12-7	-	< 0.002	-
Di-n-butylphthalate	84-74-2	-	< 0.005	-
Fluoranthene	206-44-0	-	< 0.002	-
Pyrene	129-00-0	-	< 0.002	-
Butylbenzylphthalate	85-68-7	-	< 0.005	-
Benzo[a]anthracene	56-55-3	-	< 0.002	-
Chrysene	218-01-9	-	< 0.002	-
3,3'-Dichlorobenzidine	91-94-1	-	< 0.020	-
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.005	-
Di-n-octylphthalate	117-84-0	-	< 0.002	-
Benzo[b]fluoranthene	205-99-2	-	< 0.002	-
Benzo[k]fluoranthene	207-08-9	-	< 0.002	-
Benzo[a]pyrene	50-32-8	-	< 0.002	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.002	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.002	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.002	-

Internal Standards	% Area
1,4-Dichlorobenzene-d4	80
Naphthalene-d8	83
Acenaphthene-d10	85
Phenanthrene-d10	83
Chrysene-d12	79
Perylene-d12	74

Surrogates	% Rec
2-Fluorophenol	N.D
Phenol-d5	15
Nitrobenzene-d5	47
2-Fluorobiphenyl	41
2,4,6-Tribromophenol	31
Terphenyl-d14	57

Semi-Volatile Organic Compounds

UKAS accredited?: No

Customer and Site Details:

Ground Investigation Ltd: Afan Way, Port Talbot

Sample Details:

BH2

LIMS ID Number:

EX0725485

Job Number:

W07_5374

Date Booked in:

26-Sep-07

Date Extracted:

27-Sep-07

Date Analysed:

02-Oct-07

Matrix:

Water

Ext Method:

Sep. Funnel

Operator:

AB/AK

Directory/Quant File:

1001ABN.MS4\ 1001CCC3.D

QC Batch Number:

2981

Multiplier:

0.002

Dilution Factor:

1

GPC (Y/N)

N

Target Compounds	CAS #	R.T. (min)	Concentration mg/l	% Fit
Phenol	108-95-2	-	< 0.020	-
bis(2-Chloroethyl)ether	111-44-4	-	< 0.005	-
2-Chlorophenol	95-57-8	-	< 0.020	-
1,3-Dichlorobenzene	541-73-1	-	< 0.005	-
1,4-Dichlorobenzene	106-46-7	-	< 0.005	-
Benzyl alcohol	100-51-6	-	< 0.005	-
1,2-Dichlorobenzene	95-50-1	-	< 0.005	-
2-Methylphenol	95-48-7	-	< 0.005	-
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.005	-
Hexachloroethane	67-72-1	-	< 0.005	-
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.005	-
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 0.020	-
Nitrobenzene	98-95-3	-	< 0.005	-
Isophorone	78-59-1	-	< 0.005	-
2-Nitrophenol	88-75-5	-	< 0.020	-
2,4-Dimethylphenol	105-67-9	-	< 0.020	-
Benzoic Acid	65-85-0 *	-	< 0.100	-
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.005	-
2,4-Dichlorophenol	120-83-2	-	< 0.020	-
1,2,4-Trichlorobenzene	120-82-1	-	< 0.005	-
Naphthalene	91-20-3	-	< 0.002	-
4-Chlorophenol	106-48-9	-	< 0.020	-
4-Chloroaniline	106-47-8 *	-	< 0.005	-
Hexachlorobutadiene	87-68-3	-	< 0.005	-
4-Chloro-3-methylphenol	59-50-7	-	< 0.005	-
2-Methylnaphthalene	91-57-6	-	< 0.002	-
1-Methylnaphthalene	90-12-0	-	< 0.002	-
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.005	-
2,4,6-Trichlorophenol	88-06-2	-	< 0.020	-
2,4,5-Trichlorophenol	95-95-4	-	< 0.020	-
2-Chloronaphthalene	91-58-7	-	< 0.002	-
Biphenyl	92-52-4	-	< 0.002	-
Diphenyl ether	101-84-8	-	< 0.002	-
2-Nitroaniline	88-74-4	-	< 0.005	-
Acenaphthylene	208-96-8	-	< 0.002	-
Dimethylphthalate	131-11-3	-	< 0.005	-
2,6-Dinitrotoluene	606-20-2	-	< 0.005	-
Acenaphthene	83-32-9	-	< 0.002	-
3-Nitroaniline	99-09-2	-	< 0.005	-

Compounds marked with a * are reported not UKAS.

Concentrations are reported on a wet weight basis.

*M" denotes that % fit has been manually interpreted

Target Compounds	CAS #	R.T.	Concentration mg/l	% Fit
2,4-Dinitrophenol	51-28-5 *	-	< 0.010	-
Dibenzofuran	132-64-9	-	< 0.005	-
4-Nitrophenol	100-02-7	-	< 0.050	-
2,4-Dinitrotoluene	121-14-2	-	< 0.005	-
Fluorene	86-73-7	-	< 0.002	-
Diethylphthalate	84-66-2	-	< 0.005	-
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.005	-
4,6-Dinitro-2-methylphenol	534-52-1	-	< 0.050	-
4-Nitroaniline	100-01-6	-	< 0.005	-
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.005	-
4-Bromophenyl-phenylether	101-55-3	-	< 0.005	-
Hexachlorobenzene	118-74-1	-	< 0.005	-
Pentachlorophenol	87-86-5	-	< 0.050	-
Phenanthrene	85-01-8	-	< 0.002	-
Anthracene	120-12-7	-	< 0.002	-
Di-n-butylphthalate	84-74-2	-	< 0.005	-
Fluoranthene	206-44-0	-	< 0.002	-
Pyrene	129-00-0	-	< 0.002	-
Butylbenzylphthalate	85-68-7	-	< 0.005	-
Benzo[a]anthracene	56-55-3	-	< 0.002	-
Chrysene	218-01-9	-	< 0.002	-
3,3'-Dichlorobenzidine	91-94-1	-	< 0.020	-
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.005	-
Di-n-octylphthalate	117-84-0	-	< 0.002	-
Benzo[b]fluoranthene	205-99-2	-	< 0.002	-
Benzo[k]fluoranthene	207-08-9	-	< 0.002	-
Benzo[a]pyrene	50-32-8	-	< 0.002	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.002	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.002	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.002	-

Internal Standards	% Area
1,4-Dichlorobenzene-d4	83
Naphthalene-d8	85
Acenaphthene-d10	84
Phenanthrene-d10	83
Chrysene-d12	82
Perylene-d12	75

Surrogates	% Rec
2-Fluorophenol	N.D
Phenol-d5	38
Nitrobenzene-d5	81
2-Fluorobiphenyl	83
2,4,6-Tribromophenol	59
Terphenyl-d14	89

Semi-Volatile Organic Compounds

UKAS accredited?: No

Customer and Site Details:

Ground Investigation Ltd: Afan Way, Port Talbot

Sample Details:

BH3

LIMS ID Number:

EX0725486

Job Number:

W07_5374

Date Booked in:

26-Sep-07

Date Extracted:

27-Sep-07

Date Analysed:

02-Oct-07

Matrix:

Water

Ext Method:

Sep. Funnel

Operator:

AB/AK

Directory/Quant File:

1001ABN.MS4\ 1001CCC3.D

QC Batch Number:

2981

Multiplier:

0.002

Dilution Factor:

1

GPC (Y/N)

N

Target Compounds	CAS #	R.T. (min)	Concentration mg/l	% Fit
Phenol	108-95-2	-	< 0.020	-
bis(2-Chloroethyl)ether	111-44-4	-	< 0.005	-
2-Chlorophenol	95-57-8	-	< 0.020	-
1,3-Dichlorobenzene	541-73-1	-	< 0.005	-
1,4-Dichlorobenzene	106-46-7	-	< 0.005	-
Benzyl alcohol	100-51-6	-	< 0.005	-
1,2-Dichlorobenzene	95-50-1	-	< 0.005	-
2-Methylphenol	95-48-7	-	< 0.005	-
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.005	-
Hexachloroethane	67-72-1	-	< 0.005	-
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.005	-
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 0.020	-
Nitrobenzene	98-95-3	-	< 0.005	-
Isophorone	78-59-1	-	< 0.005	-
2-Nitrophenol	88-75-5	-	< 0.020	-
2,4-Dimethylphenol	105-67-9	-	< 0.020	-
Benzoic Acid	65-85-0 *	-	< 0.100	-
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.005	-
2,4-Dichlorophenol	120-83-2	-	< 0.020	-
1,2,4-Trichlorobenzene	120-82-1	-	< 0.005	-
Naphthalene	91-20-3	-	< 0.002	-
4-Chlorophenol	106-48-9	-	< 0.020	-
4-Chloroaniline	106-47-8 *	-	< 0.005	-
Hexachlorobutadiene	87-68-3	-	< 0.005	-
4-Chloro-3-methylphenol	59-50-7	-	< 0.005	-
2-Methylnaphthalene	91-57-6	-	< 0.002	-
1-Methylnaphthalene	90-12-0	-	< 0.002	-
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.005	-
2,4,6-Trichlorophenol	88-06-2	-	< 0.020	-
2,4,5-Trichlorophenol	95-95-4	-	< 0.020	-
2-Chloronaphthalene	91-58-7	-	< 0.002	-
Biphenyl	92-52-4	-	< 0.002	-
Diphenyl ether	101-84-8	-	< 0.002	-
2-Nitroaniline	88-74-4	-	< 0.005	-
Acenaphthylene	208-96-8	-	< 0.002	-
Dimethylphthalate	131-11-3	-	< 0.005	-
2,6-Dinitrotoluene	606-20-2	-	< 0.005	-
Acenaphthene	83-32-9	-	< 0.002	-
3-Nitroaniline	99-09-2	-	< 0.005	-

Compounds marked with a * are reported not UKAS.

Concentrations are reported on a wet weight basis.

*M" denotes that % fit has been manually interpreted

Target Compounds	CAS #	R.T.	Concentration mg/l	% Fit
2,4-Dinitrophenol	51-28-5 *	-	< 0.010	-
Dibenzofuran	132-64-9	-	< 0.005	-
4-Nitrophenol	100-02-7	-	< 0.050	-
2,4-Dinitrotoluene	121-14-2	-	< 0.005	-
Fluorene	86-73-7	-	< 0.002	-
Diethylphthalate	84-66-2	-	< 0.005	-
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.005	-
4,6-Dinitro-2-methylphenol	534-52-1	-	< 0.050	-
4-Nitroaniline	100-01-6	-	< 0.005	-
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.005	-
4-Bromophenyl-phenylether	101-55-3	-	< 0.005	-
Hexachlorobenzene	118-74-1	-	< 0.005	-
Pentachlorophenol	87-86-5	-	< 0.050	-
Phenanthrene	85-01-8	-	< 0.002	-
Anthracene	120-12-7	-	< 0.002	-
Di-n-butylphthalate	84-74-2	-	< 0.005	-
Fluoranthene	206-44-0	-	< 0.002	-
Pyrene	129-00-0	-	< 0.002	-
Butylbenzylphthalate	85-68-7	-	< 0.005	-
Benzo[a]anthracene	56-55-3	-	< 0.002	-
Chrysene	218-01-9	-	< 0.002	-
3,3'-Dichlorobenzidine	91-94-1	-	< 0.020	-
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.005	-
Di-n-octylphthalate	117-84-0	-	< 0.002	-
Benzo[b]fluoranthene	205-99-2	-	< 0.002	-
Benzo[k]fluoranthene	207-08-9	-	< 0.002	-
Benzo[a]pyrene	50-32-8	-	< 0.002	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.002	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.002	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.002	-

Internal Standards	% Area
1,4-Dichlorobenzene-d4	79
Naphthalene-d8	84
Acenaphthene-d10	82
Phenanthrene-d10	84
Chrysene-d12	86
Perylene-d12	75

Surrogates	% Rec
2-Fluorophenol	N.D
Phenol-d5	27
Nitrobenzene-d5	64
2-Fluorobiphenyl	66
2,4,6-Tribromophenol	58
Terphenyl-d14	78

Semi-Volatile Organic Compounds

UKAS accredited?: No

Customer and Site Details:

Ground Investigation Ltd: Afan Way, Port Talbot

Sample Details:

BH4

LIMS ID Number:

EX0725487

Job Number:

W07_5374

Date Booked in:

26-Sep-07

Date Extracted:

27-Sep-07

Date Analysed:

02-Oct-07

Matrix:

Water

Ext Method:

Sep. Funnel

Operator:

AB/AK

Directory/Quant File:

1001ABN.MS4\ 1001CCC3.D

QC Batch Number:

2981

Multiplier:

0.002

Dilution Factor:

1

GPC (Y/N)

N

Target Compounds	CAS #	R.T. (min)	Concentration mg/l	% Fit
Phenol	108-95-2	-	< 0.020	-
bis(2-Chloroethyl)ether	111-44-4	-	< 0.005	-
2-Chlorophenol	95-57-8	-	< 0.020	-
1,3-Dichlorobenzene	541-73-1	-	< 0.005	-
1,4-Dichlorobenzene	106-46-7	-	< 0.005	-
Benzyl alcohol	100-51-6	-	< 0.005	-
1,2-Dichlorobenzene	95-50-1	-	< 0.005	-
2-Methylphenol	95-48-7	-	< 0.005	-
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.005	-
Hexachloroethane	67-72-1	-	< 0.005	-
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.005	-
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 0.020	-
Nitrobenzene	98-95-3	-	< 0.005	-
Isophorone	78-59-1	-	< 0.005	-
2-Nitrophenol	88-75-5	-	< 0.020	-
2,4-Dimethylphenol	105-67-9	-	< 0.020	-
Benzoic Acid	65-85-0 *	-	< 0.100	-
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.005	-
2,4-Dichlorophenol	120-83-2	-	< 0.020	-
1,2,4-Trichlorobenzene	120-82-1	-	< 0.005	-
Naphthalene	91-20-3	-	< 0.002	-
4-Chlorophenol	106-48-9	-	< 0.020	-
4-Chloroaniline	106-47-8 *	-	< 0.005	-
Hexachlorobutadiene	87-68-3	-	< 0.005	-
4-Chloro-3-methylphenol	59-50-7	-	< 0.005	-
2-Methylnaphthalene	91-57-6	-	< 0.002	-
1-Methylnaphthalene	90-12-0	-	< 0.002	-
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.005	-
2,4,6-Trichlorophenol	88-06-2	-	< 0.020	-
2,4,5-Trichlorophenol	95-95-4	-	< 0.020	-
2-Chloronaphthalene	91-58-7	-	< 0.002	-
Biphenyl	92-52-4	-	< 0.002	-
Diphenyl ether	101-84-8	-	< 0.002	-
2-Nitroaniline	88-74-4	-	< 0.005	-
Acenaphthylene	208-96-8	-	< 0.002	-
Dimethylphthalate	131-11-3	-	< 0.005	-
2,6-Dinitrotoluene	606-20-2	-	< 0.005	-
Acenaphthene	83-32-9	-	< 0.002	-
3-Nitroaniline	99-09-2	-	< 0.005	-

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Target Compounds	CAS #	R.T.	Concentration mg/l	% Fit
2,4-Dinitrophenol	51-28-5 *	-	< 0.010	-
Dibenzofuran	132-64-9	-	< 0.005	-
4-Nitrophenol	100-02-7	-	< 0.050	-
2,4-Dinitrotoluene	121-14-2	-	< 0.005	-
Fluorene	86-73-7	-	< 0.002	-
Diethylphthalate	84-66-2	-	< 0.005	-
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.005	-
4,6-Dinitro-2-methylphenol	534-52-1	-	< 0.050	-
4-Nitroaniline	100-01-6	-	< 0.005	-
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.005	-
4-Bromophenyl-phenylether	101-55-3	-	< 0.005	-
Hexachlorobenzene	118-74-1	-	< 0.005	-
Pentachlorophenol	87-86-5	-	< 0.050	-
Phenanthrene	85-01-8	-	< 0.002	-
Anthracene	120-12-7	-	< 0.002	-
Di-n-butylphthalate	84-74-2	-	< 0.005	-
Fluoranthene	206-44-0	-	< 0.002	-
Pyrene	129-00-0	-	< 0.002	-
Butylbenzylphthalate	85-68-7	-	< 0.005	-
Benzo[a]anthracene	56-55-3	-	< 0.002	-
Chrysene	218-01-9	-	< 0.002	-
3,3'-Dichlorobenzidine	91-94-1	-	< 0.020	-
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.005	-
Di-n-octylphthalate	117-84-0	-	< 0.002	-
Benzo[b]fluoranthene	205-99-2	-	< 0.002	-
Benzo[k]fluoranthene	207-08-9	-	< 0.002	-
Benzo[a]pyrene	50-32-8	-	< 0.002	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.002	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.002	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.002	-

Internal Standards	% Area
1,4-Dichlorobenzene-d4	80
Naphthalene-d8	82
Acenaphthene-d10	83
Phenanthrene-d10	83
Chrysene-d12	77
Perylene-d12	72

Surrogates	% Rec
2-Fluorophenol	N.D
Phenol-d5	33
Nitrobenzene-d5	59
2-Fluorobiphenyl	55
2,4,6-Tribromophenol	57
Terphenyl-d14	73

Semi-Volatile Organic Compounds

UKAS accredited?: No

Customer and Site Details:	Ground Investigation Ltd: Afan Way, Port Talbot			Matrix:	Water		QC Batch Number:	2981
Sample Details:	BH6	Date Booked in:	26-Sep-07	Ext Method:	Sep. Funnel		Multiplier:	0.002
LIMS ID Number:	EX0725488	Date Extracted:	04-Oct-07	Operator:	AB/AK		Dilution Factor:	1
Job Number:	W07_5374	Date Analysed:	02-Oct-07	Directory/Quant File:	1001ABN.MS4\ 1001CCC3.D		GPC (Y/N)	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/l	% Fit
Phenol	108-95-2	-	< 0.020	-
bis(2-Chloroethyl)ether	111-44-4	-	< 0.005	-
2-Chlorophenol	95-57-8	-	< 0.020	-
1,3-Dichlorobenzene	541-73-1	-	< 0.005	-
1,4-Dichlorobenzene	106-46-7	-	< 0.005	-
Benzyl alcohol	100-51-6	-	< 0.005	-
1,2-Dichlorobenzene	95-50-1	-	< 0.005	-
2-Methylphenol	95-48-7	-	< 0.005	-
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.005	-
Hexachloroethane	67-72-1	-	< 0.005	-
N-Nitroso-di-n-propylamine	621-64-7	-	< 0.005	-
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 0.020	-
Nitrobenzene	98-95-3	-	< 0.005	-
Isophorone	78-59-1	-	< 0.005	-
2-Nitrophenol	88-75-5	-	< 0.020	-
2,4-Dimethylphenol	105-67-9	-	< 0.020	-
Benzoic Acid	65-85-0 *	-	< 0.100	-
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.005	-
2,4-Dichlorophenol	120-83-2	-	< 0.020	-
1,2,4-Trichlorobenzene	120-82-1	-	< 0.005	-
Naphthalene	91-20-3	-	< 0.002	-
4-Chlorophenol	106-48-9	-	< 0.020	-
4-Chloroaniline	106-47-8 *	-	< 0.005	-
Hexachlorobutadiene	87-68-3	-	< 0.005	-
4-Chloro-3-methylphenol	59-50-7	-	< 0.005	-
2-Methylnaphthalene	91-57-6	-	< 0.002	-
1-Methylnaphthalene	90-12-0	-	< 0.002	-
Hexachlorocyclopentadiene	77-47-4 *	-	< 0.005	-
2,4,6-Trichlorophenol	88-06-2	-	< 0.020	-
2,4,5-Trichlorophenol	95-95-4	-	< 0.020	-
2-Chloronaphthalene	91-58-7	-	< 0.002	-
Biphenyl	92-52-4	-	< 0.002	-
Diphenyl ether	101-84-8	-	< 0.002	-
2-Nitroaniline	88-74-4	-	< 0.005	-
Acenaphthylene	208-96-8	-	< 0.002	-
Dimethylphthalate	131-11-3	-	< 0.005	-
2,6-Dinitrotoluene	606-20-2	-	< 0.005	-
Acenaphthene	83-32-9	-	< 0.002	-
3-Nitroaniline	99-09-2	-	< 0.005	-

Compounds marked with a * are reported not UKAS.
Concentrations are reported on a wet weight basis.

*M" denotes that % fit has been manually interpreted

Target Compounds	CAS #	R.T.	Concentration mg/l	% Fit
2,4-Dinitrophenol	51-28-5 *	-	< 0.010	-
Dibenzofuran	132-64-9	-	< 0.005	-
4-Nitrophenol	100-02-7	-	< 0.050	-
2,4-Dinitrotoluene	121-14-2	-	< 0.005	-
Fluorene	86-73-7	-	< 0.002	-
Diethylphthalate	84-66-2	-	< 0.005	-
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.005	-
4,6-Dinitro-2-methylphenol	534-52-1	-	< 0.050	-
4-Nitroaniline	100-01-6	-	< 0.005	-
N-Nitrosodiphenylamine	86-30-6 *	-	< 0.005	-
4-Bromophenyl-phenylether	101-55-3	-	< 0.005	-
Hexachlorobenzene	118-74-1	-	< 0.005	-
Pentachlorophenol	87-86-5	-	< 0.050	-
Phenanthrene	85-01-8	-	< 0.002	-
Anthracene	120-12-7	-	< 0.002	-
Di-n-butylphthalate	84-74-2	-	< 0.005	-
Fluoranthene	206-44-0	-	< 0.002	-
Pyrene	129-00-0	-	< 0.002	-
Butylbenzylphthalate	85-68-7	-	< 0.005	-
Benzo[a]anthracene	56-55-3	-	< 0.002	-
Chrysene	218-01-9	-	< 0.002	-
3,3'-Dichlorobenzidine	91-94-1	-	< 0.020	-
bis(2-Ethylhexyl)phthalate	117-81-7	13.24	0.005	95
Di-n-octylphthalate	117-84-0	-	< 0.002	-
Benzo[b]fluoranthene	205-99-2	-	< 0.002	-
Benzo[k]fluoranthene	207-08-9	-	< 0.002	-
Benzo[a]pyrene	50-32-8	-	< 0.002	-
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.002	-
Dibenzo[a,h]anthracene	53-70-3	-	< 0.002	-
Benzo[g,h,i]perylene	191-24-2	-	< 0.002	-

Internal Standards	% Area
1,4-Dichlorobenzene-d4	83
Naphthalene-d8	83
Acenaphthene-d10	86
Phenanthrene-d10	82
Chrysene-d12	66
Perylene-d12	64

Surrogates	% Rec
2-Fluorophenol	N.D
Phenol-d5	21
Nitrobenzene-d5	67
2-Fluorobiphenyl	66
2,4,6-Tribromophenol	47
Terphenyl-d14	90

ALIPHATIC / AROMATIC FRACTION BY GC/FID

Customer and Site Details:

Ground Investigation Ltd : Afan Way, Port Talbot

Job Number:

W07 5374

Separation:

Silica gel

QC Batch Number:

72968

Eluents:

Hexane, DCM

Directory:

D:\TES\DATA\Y2007\0929TPH GC7\089B4201.D

Method:

Separating Funnel

Matrix:

Water

Date Booked in

26-Sep-07

Date Extracted

27-Sep-07

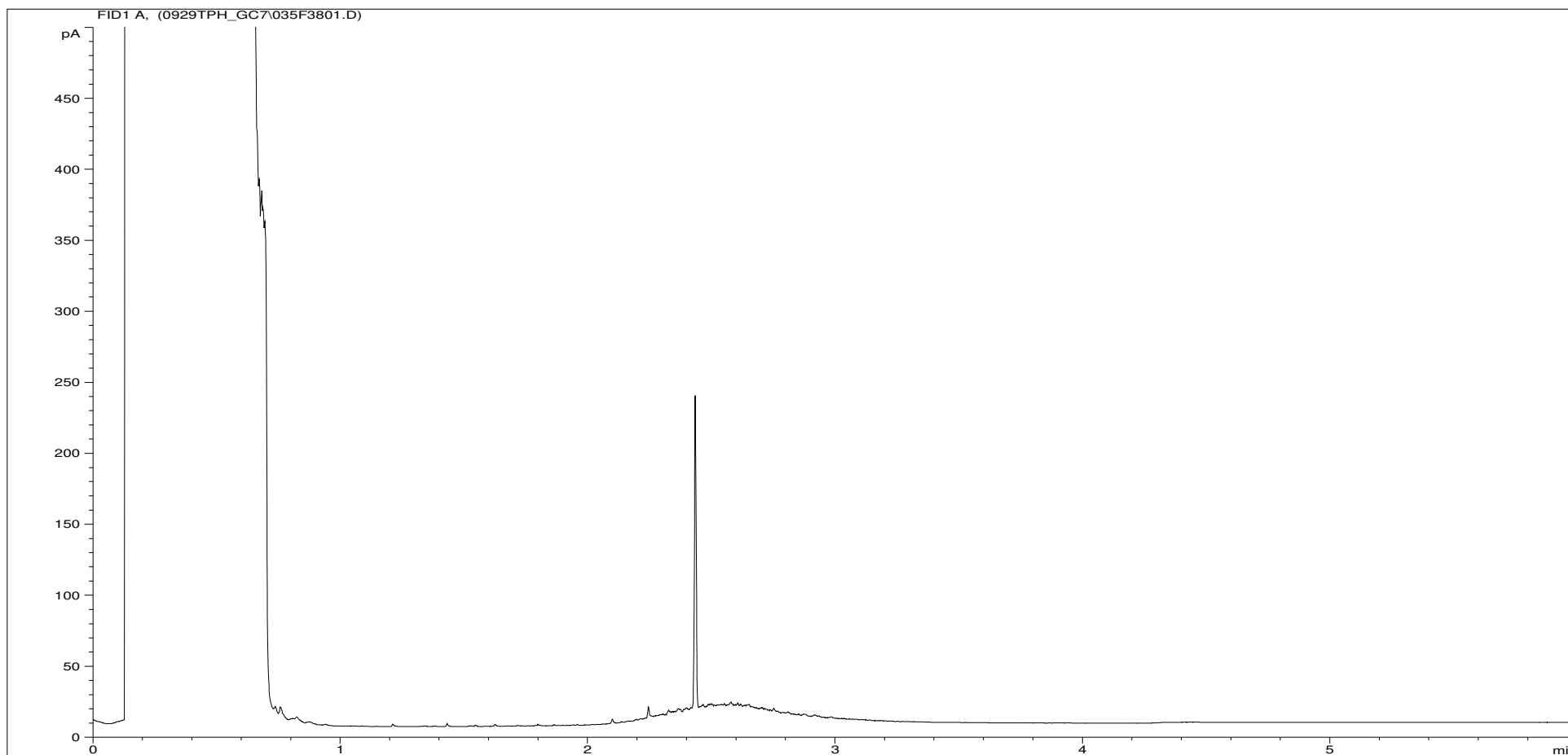
Date Analysed:

29-Sep-07

This sample data is not UKAS accredited.

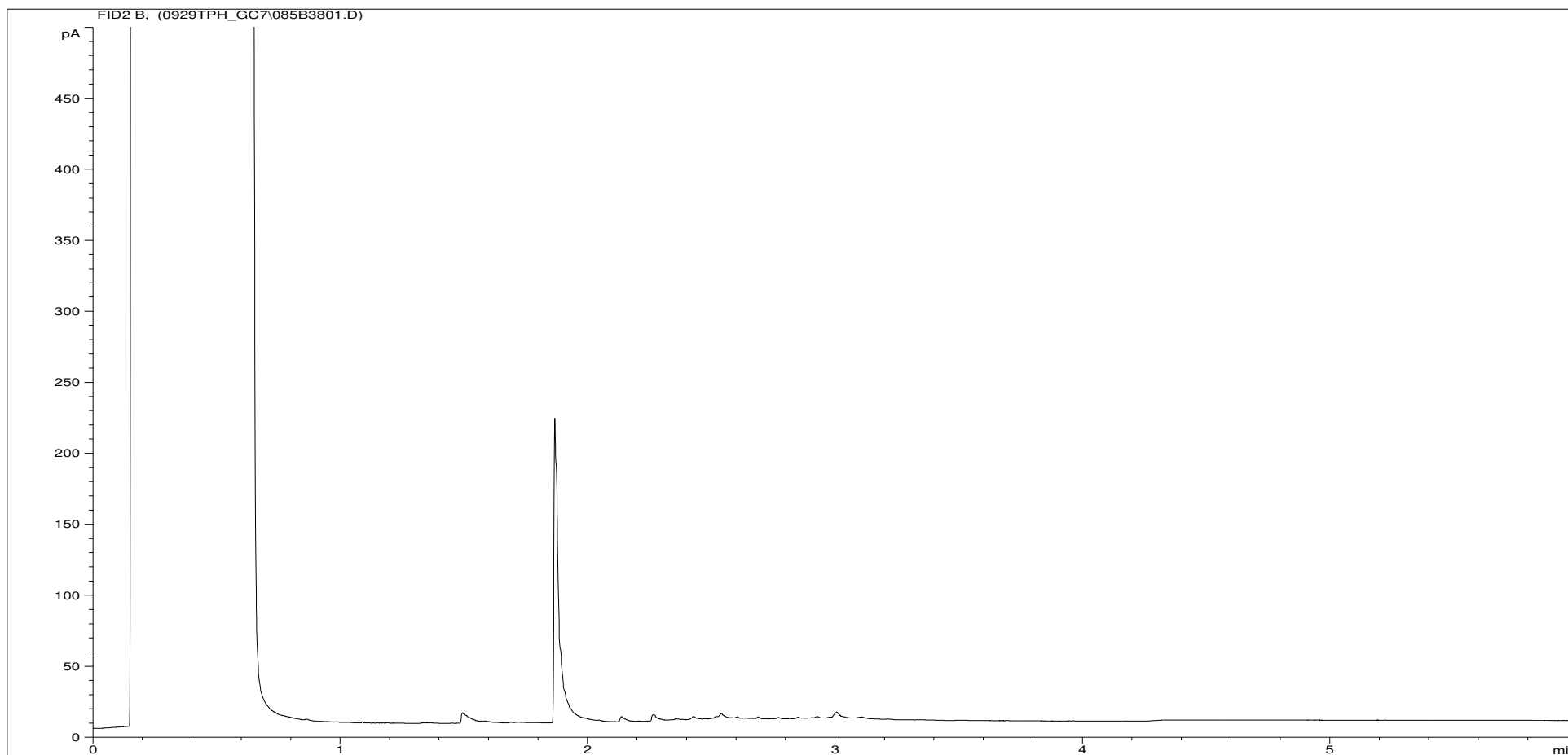
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Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



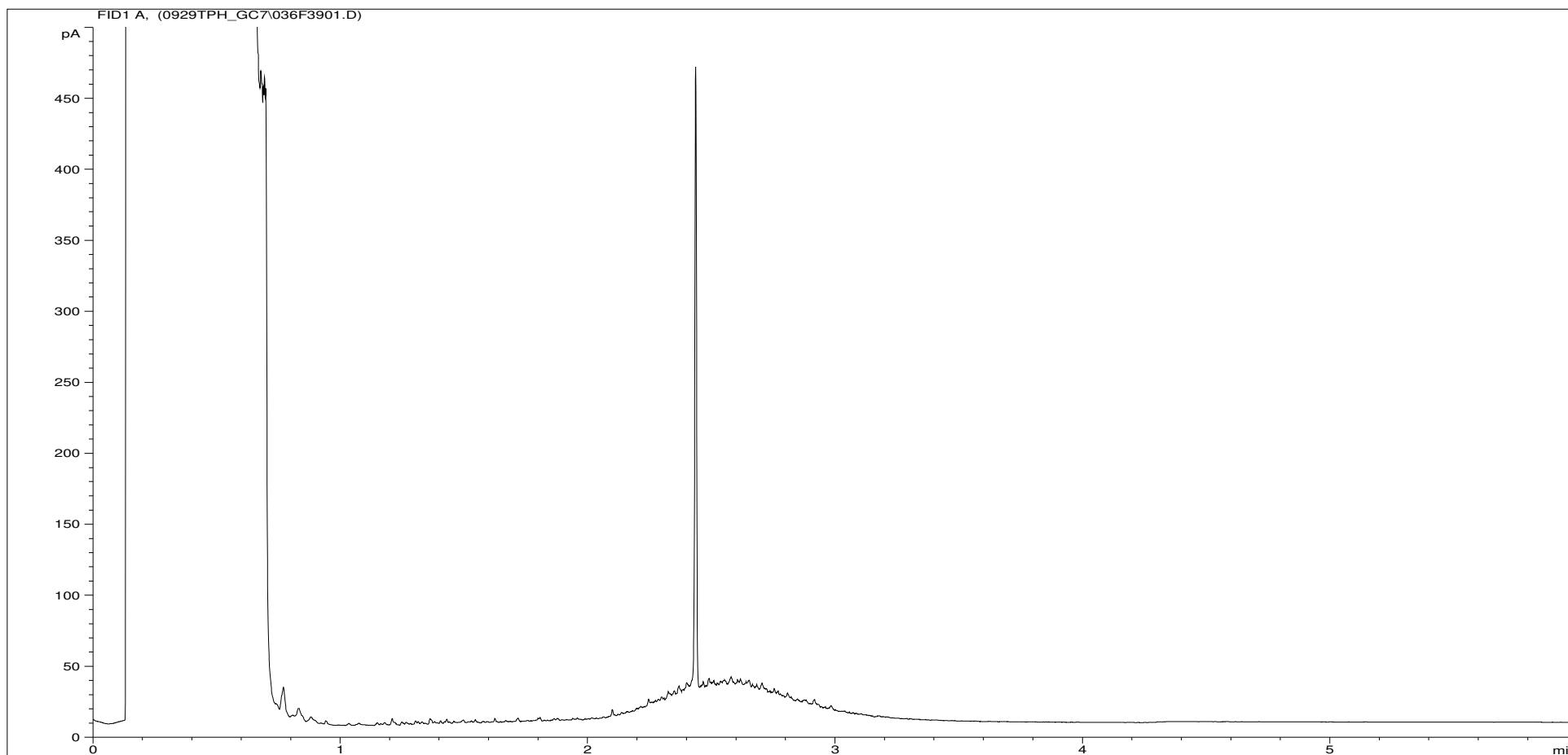
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Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH1
Acquisition Date/Time:	29-Sep-07		
Datafile:	D:\TES\DATA\Y2007\0929TPH_GC7\035F3801.D		

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



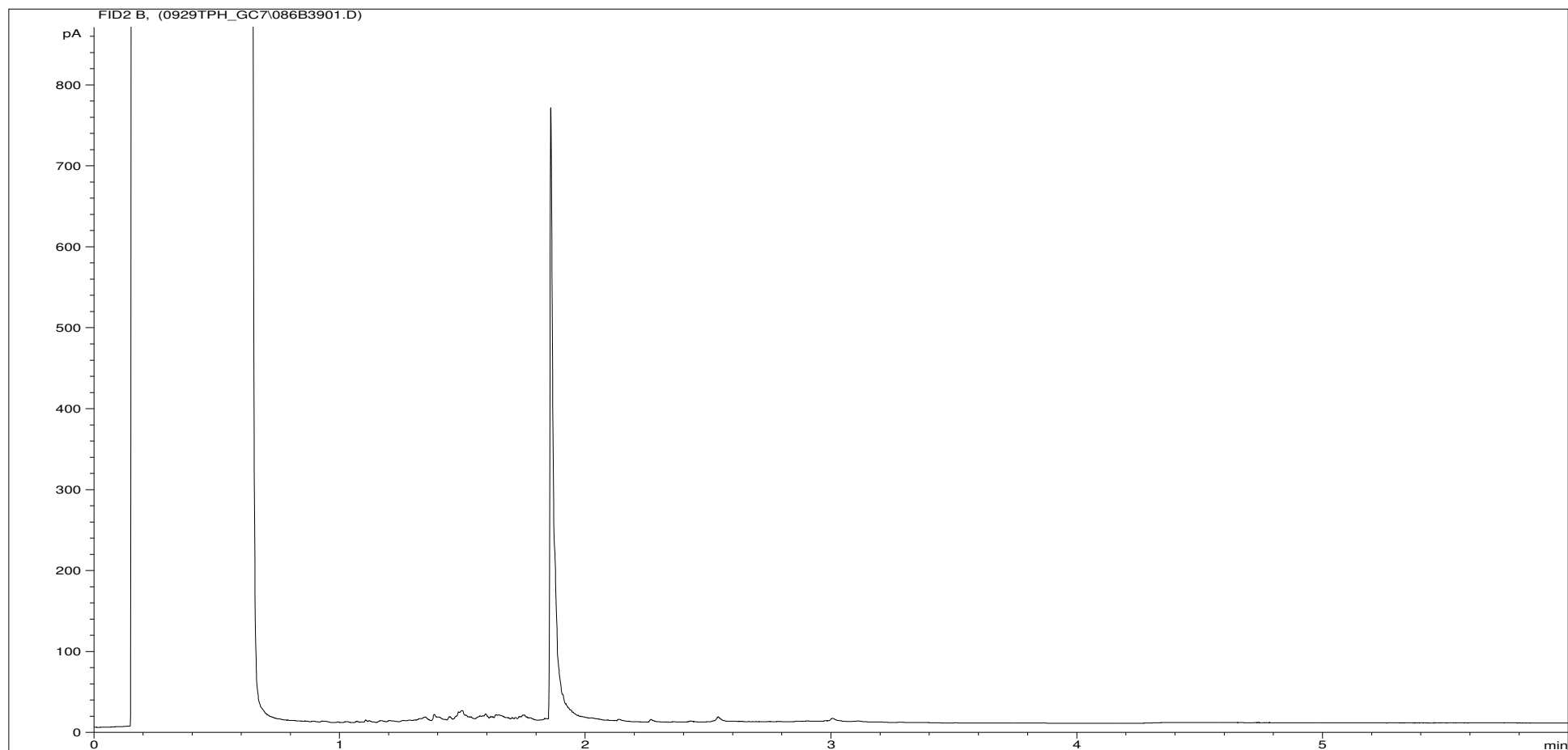
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Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH1
Acquisition Date/Time:	29-Sep-07		
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Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



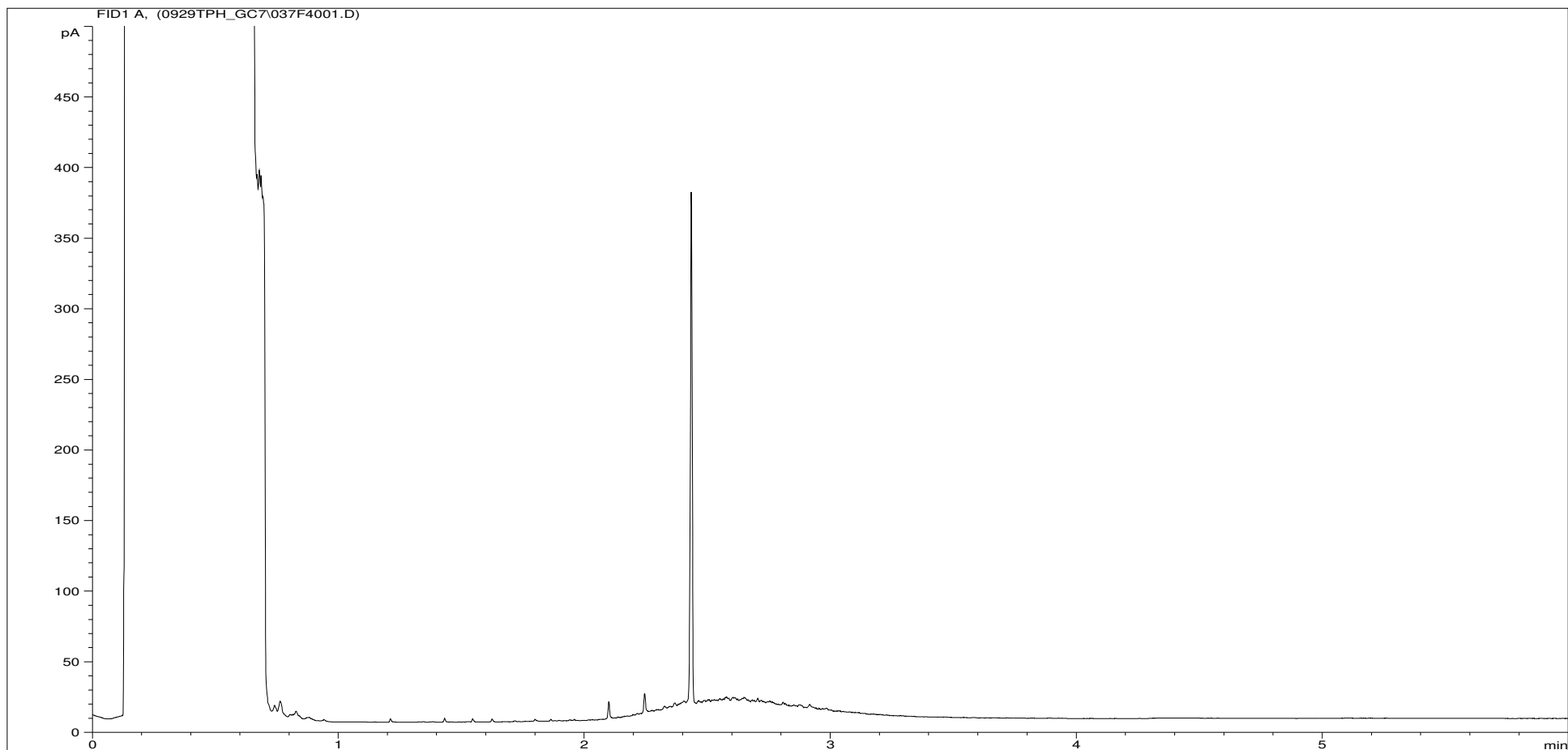
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Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH2
Acquisition Date/Time:	29-Sep-07		
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Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



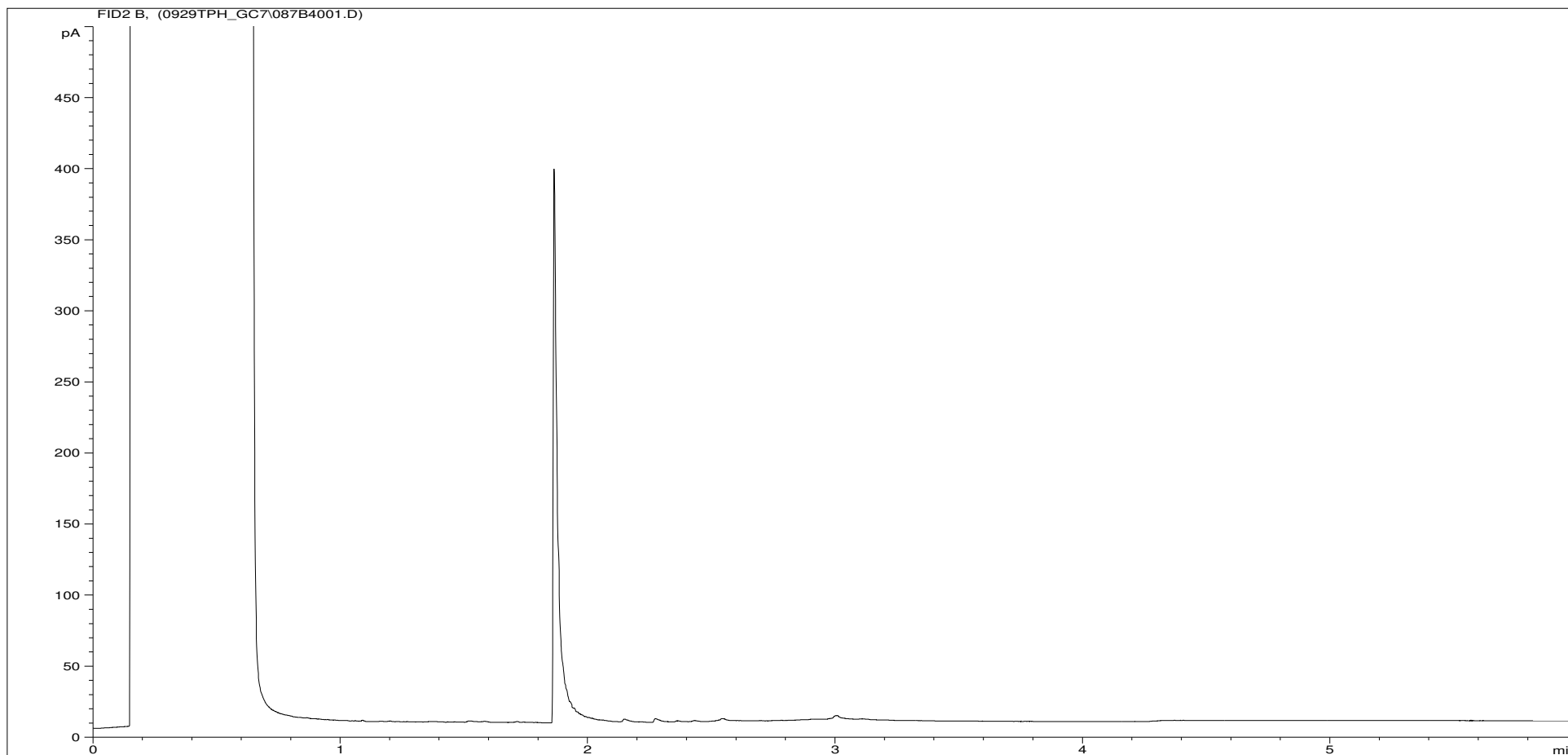
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Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH2
Acquisition Date/Time:	29-Sep-07		
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Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



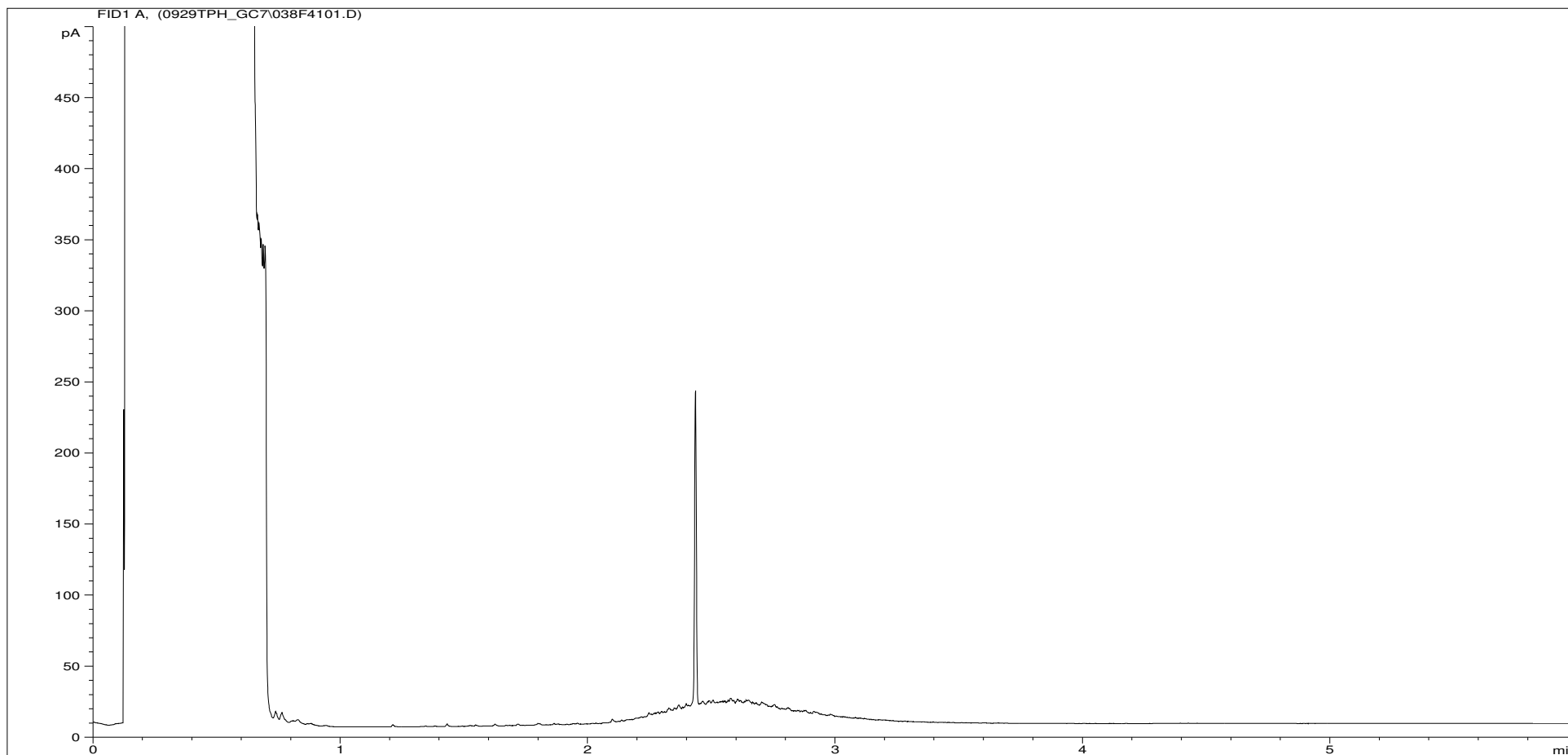
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Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH3
Acquisition Date/Time:	29-Sep-07		
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Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



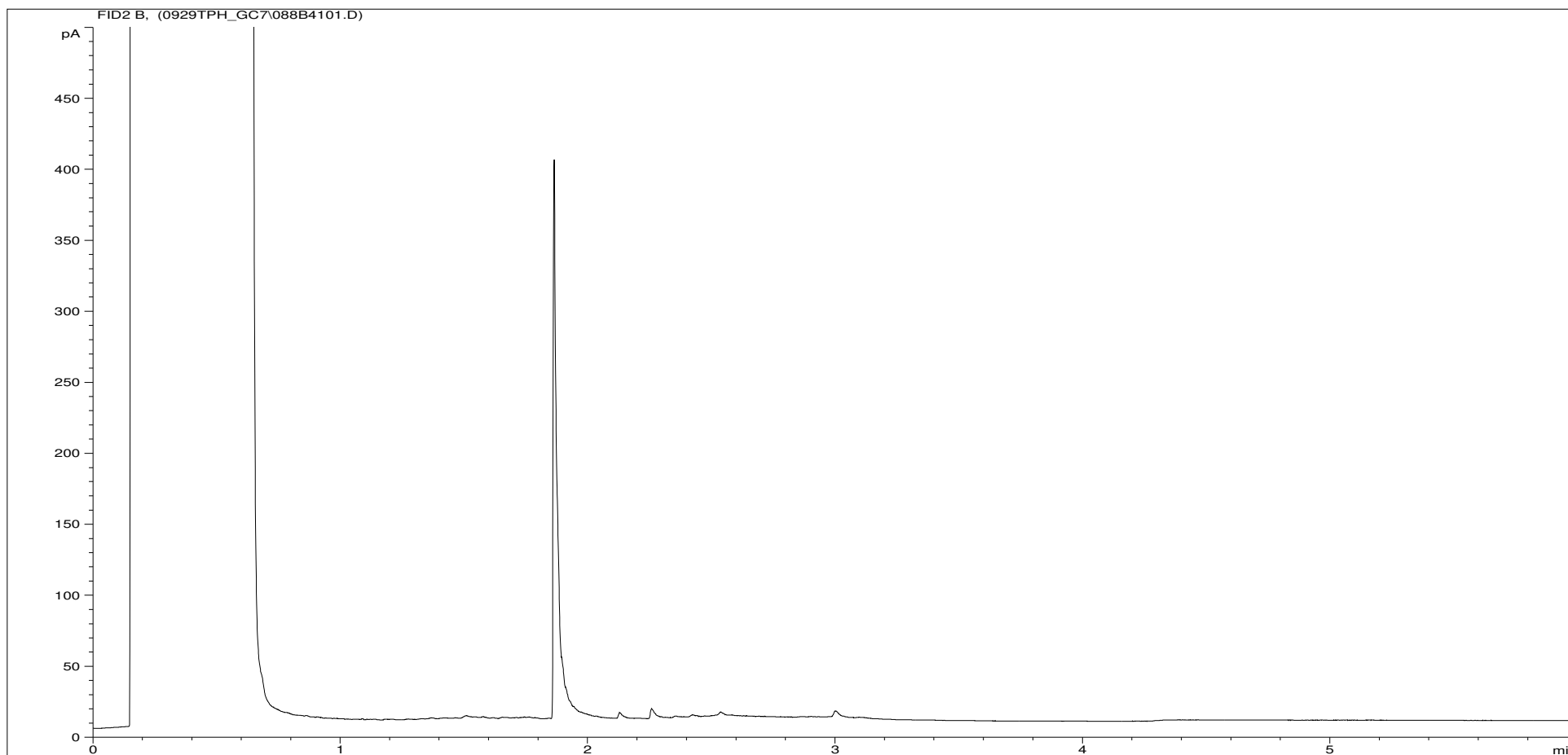
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Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH3
Acquisition Date/Time:	29-Sep-07		
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Petroleum Hydrocarbons (C8 to C40) by GC/FID Aliphatics Fraction.



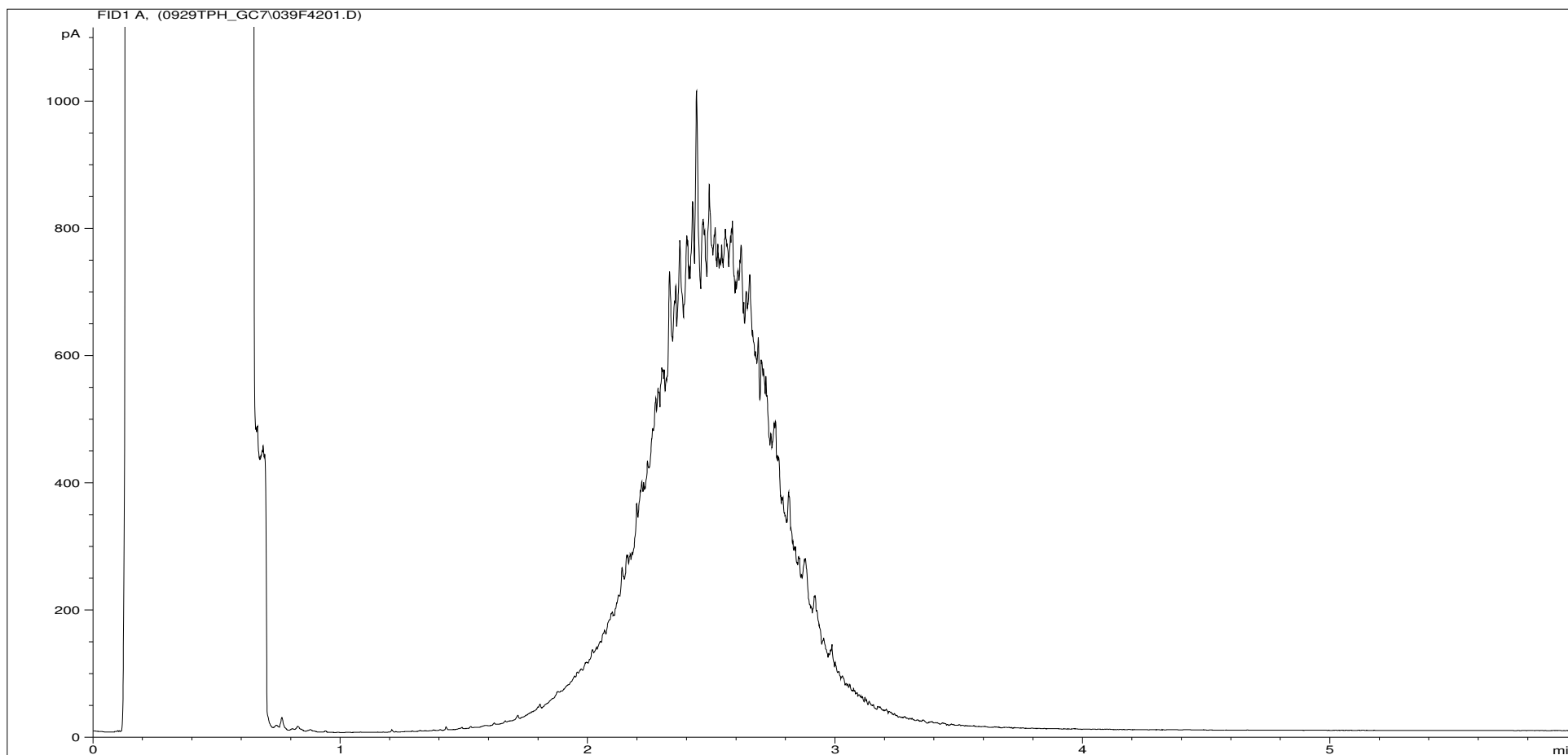
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Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH4
Acquisition Date/Time:	29-Sep-07		
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Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



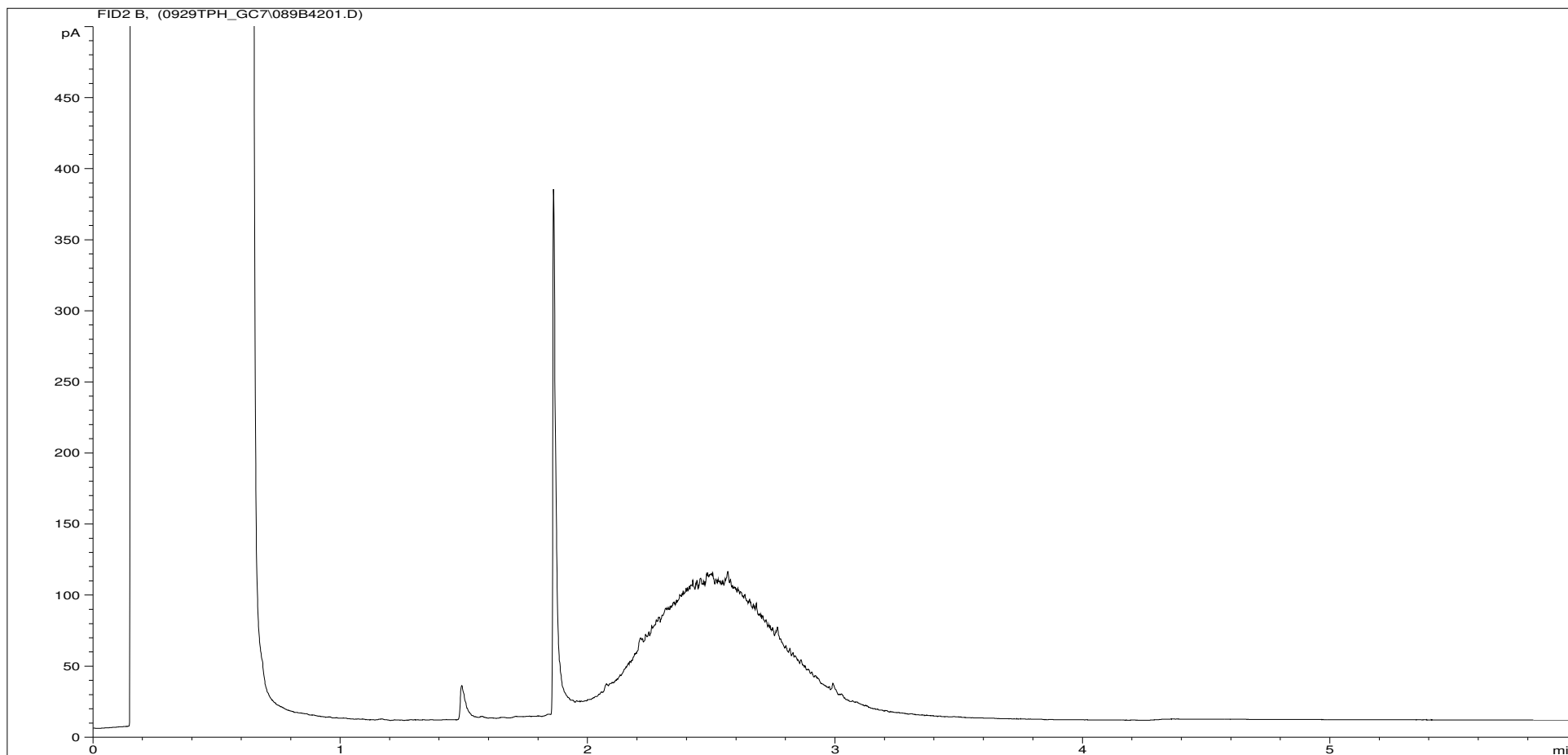
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Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH4
Acquisition Date/Time:	29-Sep-07		
Datafile:	D:\TES\DATA\Y2007\0929TPH_GC7\088B4101.D		

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



Sample ID:	EX0725488ALI	Job Number:	W07_5374
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH6
Acquisition Date/Time:	29-Sep-07		
Datafile:	D:\TES\DATA\Y2007\0929TPH_GC7\039F4201.D		

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



Sample ID:	EX0725488ARO	Job Number:	W07_5374
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH6
Acquisition Date/Time:	29-Sep-07		
Datafile:	D:\TES\DATA\Y2007\0929TPH_GC7\089B4201.D		

Volatile Organic Compounds by HSA-GCMS

UKAS accredited?: Yes

Customer and Site Details: Ground Investigation Ltd: Afan Way, Port Talbot
Sample Details: BH1
LIMS ID Number: EX0725484
Job Number: W07_5374

Directory/Quant file: 1005VOC.MS8\ Initial Calibration
Date Booked in: 26-Sep-07
Date Analysed: 06-Oct-07
Operator: AH
Matrix: Water
Method: Headspace
Multiplier: 1
Position: 30

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Dichlorodifluoromethane	75-71-8 *	-	< 1	-
Chloromethane	74-87-3	-	< 1	-
Vinyl Chloride	75-01-4	-	< 1	-
Bromomethane	74-83-9 *	-	< 5	-
Chloroethane	75-00-3	-	< 5	-
Trichlorofluoromethane	75-69-4	-	< 1	-
1,1-Dichloroethene	75-35-4	-	< 1	-
trans 1,2-Dichloroethene	156-60-5	-	< 1	-
1,1-Dichloroethane	75-34-3	-	< 1	-
2,2-Dichloropropane	594-20-7 *	-	< 1	-
cis 1,2-Dichloroethene	156-59-2	-	< 1	-
Bromochloromethane	74-97-5	-	< 1	-
Chloroform	67-66-3	-	< 5	-
1,1,1-Trichloroethane	71-55-6	-	< 1	-
Carbon Tetrachloride	56-23-5	-	< 1	-
1,1-Dichloropropene	563-58-6	-	< 1	-
Benzene	71-43-2	-	< 1	-
1,2-Dichloroethane	107-06-2	-	< 1	-
Trichloroethene	79-01-6	-	< 5	-
1,2-Dichloropropane	78-87-5	-	< 1	-
Dibromomethane	74-95-3	-	< 1	-
Bromodichloromethane	75-27-4	-	< 1	-
cis 1,3-Dichloropropene	10061-01-5 *	-	< 1	-
Toluene	108-88-3	-	< 1	-
trans 1,3-Dichloropropene	10061-02-6 *	-	< 1	-
1,1,2-Trichloroethane	79-00-5	-	< 1	-
Tetrachloroethene	127-18-4	-	< 5	-
1,3-Dichloropropane	142-28-9	-	< 1	-
Dibromochloromethane	124-48-1	-	< 1	-
1,2-Dibromoethane	106-93-4	-	< 1	-
Chlorobenzene	108-90-7	-	< 1	-
Ethylbenzene	100-41-4	-	< 1	-
1,1,1,2-Tetrachloroethane	630-20-6	-	< 1	-
m and p-Xylene	108-38-3/106-42-3	-	< 1	-
o-Xylene	95-47-6	-	< 1	-

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Styrene	100-42-5	-	< 1	-
Bromoform	75-25-2	-	< 1	-
iso-Propylbenzene	98-82-8	-	< 1	-
1,1,2,2-Tetrachloroethane	79-34-5	-	< 1	-
Propylbenzene	103-65-1	-	< 1	-
Bromobenzene	108-86-1	-	< 1	-
1,2,3-Trichloropropane	96-18-4	-	< 1	-
2-Chlorotoluene	95-49-8	-	< 1	-
1,3,5-Trimethylbenzene	108-67-8	-	< 1	-
4-Chlorotoluene	106-43-4	-	< 1	-
tert-Butylbenzene	98-06-6	-	< 1	-
1,2,4-Trimethylbenzene	95-63-6	-	< 1	-
sec-Butylbenzene	135-98-8	-	< 1	-
p-Isopropyltoluene	99-87-6	-	< 1	-
1,3-Dichlorobenzene	541-73-1	-	< 1	-
1,4-Dichlorobenzene	106-46-7	-	< 1	-
n-Butylbenzene	104-51-8	-	< 1	-
1,2-Dichlorobenzene	95-50-1	-	< 5	-
1,2-Dibromo-3-chloropropane	96-12-8 *	-	< 5	-
1,2,4-Trichlorobenzene	120-82-1	-	< 5	-
Hexachlorobutadiene	87-68-3	-	< 5	-
Naphthalene	91-20-3	-	< 5	-
1,2,3-Trichlorobenzene	87-61-6	-	< 5	-

Compounds marked * are not UKAS accredited
"M" denotes that % fit has been manually interpreted

Internal standards	R.T.	Area %	Surrogates	% Rec
Pentafluorobenzene	3.67	116	Dibromofluoromethane	112
1,4-Difluorobenzene	4.01	122	Toluene-d8	100
Chlorobenzene-d5	5.12	119	Bromofluorobenzene	95
1,4-Dichlorobenzene-d4	5.91	106		

Volatile Organic Compounds by HSA-GCMS

UKAS accredited?: Yes

Customer and Site Details: Ground Investigation Ltd: Afan Way, Port Talbot
Sample Details: BH2
LIMS ID Number: EX0725485
Job Number: W07_5374

Directory/Quant file: 1005VOC.MS8\ Initial Calibration
Date Booked in: 26-Sep-07
Date Analysed: 06-Oct-07
Operator: AH
Matrix: Water
Method: Headspace
Multiplier: 1
Position: 32

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Dichlorodifluoromethane	75-71-8 *	-	< 1	-
Chloromethane	74-87-3	-	< 1	-
Vinyl Chloride	75-01-4	-	< 1	-
Bromomethane	74-83-9 *	-	< 5	-
Chloroethane	75-00-3	-	< 5	-
Trichlorofluoromethane	75-69-4	-	< 1	-
1,1-Dichloroethene	75-35-4	-	< 1	-
trans 1,2-Dichloroethene	156-60-5	-	< 1	-
1,1-Dichloroethane	75-34-3	-	< 1	-
2,2-Dichloropropane	594-20-7 *	-	< 1	-
cis 1,2-Dichloroethene	156-59-2	-	< 1	-
Bromochloromethane	74-97-5	-	< 1	-
Chloroform	67-66-3	-	< 5	-
1,1,1-Trichloroethane	71-55-6	-	< 1	-
Carbon Tetrachloride	56-23-5	-	< 1	-
1,1-Dichloropropene	563-58-6	-	< 1	-
Benzene	71-43-2	-	< 1	-
1,2-Dichloroethane	107-06-2	-	< 1	-
Trichloroethene	79-01-6	-	< 5	-
1,2-Dichloropropane	78-87-5	-	< 1	-
Dibromomethane	74-95-3	-	< 1	-
Bromodichloromethane	75-27-4	-	< 1	-
cis 1,3-Dichloropropene	10061-01-5 *	-	< 1	-
Toluene	108-88-3	-	< 1	-
trans 1,3-Dichloropropene	10061-02-6 *	-	< 1	-
1,1,2-Trichloroethane	79-00-5	-	< 1	-
Tetrachloroethene	127-18-4	-	< 5	-
1,3-Dichloropropane	142-28-9	-	< 1	-
Dibromochloromethane	124-48-1	-	< 1	-
1,2-Dibromoethane	106-93-4	-	< 1	-
Chlorobenzene	108-90-7	-	< 1	-
Ethylbenzene	100-41-4	-	< 1	-
1,1,1,2-Tetrachloroethane	630-20-6	-	< 1	-
m and p-Xylene	108-38-3/106-42-3	-	< 1	-
o-Xylene	95-47-6	-	< 1	-

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Styrene	100-42-5	-	< 1	-
Bromoform	75-25-2	-	< 1	-
iso-Propylbenzene	98-82-8	-	< 1	-
1,1,2,2-Tetrachloroethane	79-34-5	-	< 1	-
Propylbenzene	103-65-1	-	< 1	-
Bromobenzene	108-86-1	-	< 1	-
1,2,3-Trichloropropane	96-18-4	-	< 1	-
2-Chlorotoluene	95-49-8	-	< 1	-
1,3,5-Trimethylbenzene	108-67-8	-	< 1	-
4-Chlorotoluene	106-43-4	-	< 1	-
tert-Butylbenzene	98-06-6	-	< 1	-
1,2,4-Trimethylbenzene	95-63-6	-	< 1	-
sec-Butylbenzene	135-98-8	-	< 1	-
p-Isopropyltoluene	99-87-6	-	< 1	-
1,3-Dichlorobenzene	541-73-1	-	< 1	-
1,4-Dichlorobenzene	106-46-7	-	< 1	-
n-Butylbenzene	104-51-8	-	< 1	-
1,2-Dichlorobenzene	95-50-1	-	< 5	-
1,2-Dibromo-3-chloropropane	96-12-8 *	-	< 5	-
1,2,4-Trichlorobenzene	120-82-1	-	< 5	-
Hexachlorobutadiene	87-68-3	-	< 5	-
Naphthalene	91-20-3	-	< 5	-
1,2,3-Trichlorobenzene	87-61-6	-	< 5	-

Compounds marked * are not UKAS accredited
"M" denotes that % fit has been manually interpreted

Internal standards	R.T.	Area %	Surrogates	% Rec
Pentafluorobenzene	3.67	108	Dibromofluoromethane	116
1,4-Difluorobenzene	4.01	116	Toluene-d8	100
Chlorobenzene-d5	5.12	114	Bromofluorobenzene	94
1,4-Dichlorobenzene-d4	5.90	96		

Volatile Organic Compounds by HSA-GCMS

UKAS accredited?: Yes

Customer and Site Details: Ground Investigation Ltd: Afan Way, Port Talbot
Sample Details: BH3
LIMS ID Number: EX0725486
Job Number: W07_5374

Directory/Quant file: 1008VOC.MS8\ Initial Calibration
Date Booked in: 26-Sep-07
Date Analysed: 08-Oct-07
Operator: AH
Matrix: Water
Method: Headspace
Multiplier: 1
Position: 7

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Dichlorodifluoromethane	75-71-8 *	-	< 1	-
Chloromethane	74-87-3	-	< 1	-
Vinyl Chloride	75-01-4	-	< 1	-
Bromomethane	74-83-9 *	-	< 5	-
Chloroethane	75-00-3	-	< 5	-
Trichlorofluoromethane	75-69-4	-	< 1	-
1,1-Dichloroethene	75-35-4	-	< 1	-
trans 1,2-Dichloroethene	156-60-5	-	< 1	-
1,1-Dichloroethane	75-34-3	-	< 1	-
2,2-Dichloropropane	594-20-7 *	-	< 1	-
cis 1,2-Dichloroethene	156-59-2	-	< 1	-
Bromochloromethane	74-97-5	-	< 1	-
Chloroform	67-66-3	-	< 5	-
1,1,1-Trichloroethane	71-55-6	-	< 1	-
Carbon Tetrachloride	56-23-5	-	< 1	-
1,1-Dichloropropene	563-58-6	-	< 1	-
Benzene	71-43-2	-	< 1	-
1,2-Dichloroethane	107-06-2	-	< 1	-
Trichloroethene	79-01-6	-	< 5	-
1,2-Dichloropropane	78-87-5	-	< 1	-
Dibromomethane	74-95-3	-	< 1	-
Bromodichloromethane	75-27-4	-	< 1	-
cis 1,3-Dichloropropene	10061-01-5 *	-	< 1	-
Toluene	108-88-3	-	< 1	-
trans 1,3-Dichloropropene	10061-02-6 *	-	< 1	-
1,1,2-Trichloroethane	79-00-5	-	< 1	-
Tetrachloroethene	127-18-4	-	< 5	-
1,3-Dichloropropane	142-28-9	-	< 1	-
Dibromochloromethane	124-48-1	-	< 1	-
1,2-Dibromoethane	106-93-4	-	< 1	-
Chlorobenzene	108-90-7	-	< 1	-
Ethylbenzene	100-41-4	-	< 1	-
1,1,1,2-Tetrachloroethane	630-20-6	-	< 1	-
m and p-Xylene	108-38-3/106-42-3	-	< 1	-
o-Xylene	95-47-6	-	< 1	-

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Styrene	100-42-5	-	< 1	-
Bromoform	75-25-2	-	< 1	-
iso-Propylbenzene	98-82-8	-	< 1	-
1,1,2,2-Tetrachloroethane	79-34-5	-	< 1	-
Propylbenzene	103-65-1	-	< 1	-
Bromobenzene	108-86-1	-	< 1	-
1,2,3-Trichloropropane	96-18-4	-	< 1	-
2-Chlorotoluene	95-49-8	-	< 1	-
1,3,5-Trimethylbenzene	108-67-8	-	< 1	-
4-Chlorotoluene	106-43-4	-	< 1	-
tert-Butylbenzene	98-06-6	-	< 1	-
1,2,4-Trimethylbenzene	95-63-6	-	< 1	-
sec-Butylbenzene	135-98-8	-	< 1	-
p-Isopropyltoluene	99-87-6	-	< 1	-
1,3-Dichlorobenzene	541-73-1	-	< 1	-
1,4-Dichlorobenzene	106-46-7	-	< 1	-
n-Butylbenzene	104-51-8	-	< 1	-
1,2-Dichlorobenzene	95-50-1	-	< 5	-
1,2-Dibromo-3-chloropropane	96-12-8 *	-	< 5	-
1,2,4-Trichlorobenzene	120-82-1	-	< 5	-
Hexachlorobutadiene	87-68-3	-	< 5	-
Naphthalene	91-20-3	-	< 5	-
1,2,3-Trichlorobenzene	87-61-6	-	< 5	-

Compounds marked * are not UKAS accredited
"M" denotes that % fit has been manually interpreted

Internal standards	R.T.	Area %	Surrogates	% Rec
Pentafluorobenzene	3.67	83	Dibromofluoromethane	109
1,4-Difluorobenzene	4.01	84	Toluene-d8	100
Chlorobenzene-d5	5.12	85	Bromofluorobenzene	97
1,4-Dichlorobenzene-d4	5.90	82		

Volatile Organic Compounds by HSA-GCMS

UKAS accredited?: Yes

Customer and Site Details: Ground Investigation Ltd: Afan Way, Port Talbot
Sample Details: BH4
LIMS ID Number: EX0725487
Job Number: W07_5374

Directory/Quant file: 1008VOC.MS8\ Initial Calibration
Date Booked in: 26-Sep-07
Date Analysed: 08-Oct-07
Operator: AH
Matrix: Water
Method: Headspace
Multiplier: 1
Position: 8

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Dichlorodifluoromethane	75-71-8 *	-	< 1	-
Chloromethane	74-87-3	-	< 1	-
Vinyl Chloride	75-01-4	-	< 1	-
Bromomethane	74-83-9 *	-	< 5	-
Chloroethane	75-00-3	-	< 5	-
Trichlorofluoromethane	75-69-4	-	< 1	-
1,1-Dichloroethene	75-35-4	-	< 1	-
trans 1,2-Dichloroethene	156-60-5	-	< 1	-
1,1-Dichloroethane	75-34-3	-	< 1	-
2,2-Dichloropropane	594-20-7 *	-	< 1	-
cis 1,2-Dichloroethene	156-59-2	-	< 1	-
Bromochloromethane	74-97-5	-	< 1	-
Chloroform	67-66-3	-	< 5	-
1,1,1-Trichloroethane	71-55-6	-	< 1	-
Carbon Tetrachloride	56-23-5	-	< 1	-
1,1-Dichloropropene	563-58-6	-	< 1	-
Benzene	71-43-2	-	< 1	-
1,2-Dichloroethane	107-06-2	-	< 1	-
Trichloroethene	79-01-6	-	< 5	-
1,2-Dichloropropane	78-87-5	-	< 1	-
Dibromomethane	74-95-3	-	< 1	-
Bromodichloromethane	75-27-4	-	< 1	-
cis 1,3-Dichloropropene	10061-01-5 *	-	< 1	-
Toluene	108-88-3	-	< 1	-
trans 1,3-Dichloropropene	10061-02-6 *	-	< 1	-
1,1,2-Trichloroethane	79-00-5	-	< 1	-
Tetrachloroethene	127-18-4	-	< 5	-
1,3-Dichloropropane	142-28-9	-	< 1	-
Dibromochloromethane	124-48-1	-	< 1	-
1,2-Dibromoethane	106-93-4	-	< 1	-
Chlorobenzene	108-90-7	-	< 1	-
Ethylbenzene	100-41-4	-	< 1	-
1,1,1,2-Tetrachloroethane	630-20-6	-	< 1	-
m and p-Xylene	108-38-3/106-42-3	-	< 1	-
o-Xylene	95-47-6	-	< 1	-

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Styrene	100-42-5	-	< 1	-
Bromoform	75-25-2	-	< 1	-
iso-Propylbenzene	98-82-8	-	< 1	-
1,1,2,2-Tetrachloroethane	79-34-5	-	< 1	-
Propylbenzene	103-65-1	-	< 1	-
Bromobenzene	108-86-1	-	< 1	-
1,2,3-Trichloropropane	96-18-4	-	< 1	-
2-Chlorotoluene	95-49-8	-	< 1	-
1,3,5-Trimethylbenzene	108-67-8	-	< 1	-
4-Chlorotoluene	106-43-4	-	< 1	-
tert-Butylbenzene	98-06-6	-	< 1	-
1,2,4-Trimethylbenzene	95-63-6	-	< 1	-
sec-Butylbenzene	135-98-8	-	< 1	-
p-Isopropyltoluene	99-87-6	-	< 1	-
1,3-Dichlorobenzene	541-73-1	-	< 1	-
1,4-Dichlorobenzene	106-46-7	-	< 1	-
n-Butylbenzene	104-51-8	-	< 1	-
1,2-Dichlorobenzene	95-50-1	-	< 5	-
1,2-Dibromo-3-chloropropane	96-12-8 *	-	< 5	-
1,2,4-Trichlorobenzene	120-82-1	-	< 5	-
Hexachlorobutadiene	87-68-3	-	< 5	-
Naphthalene	91-20-3	-	< 5	-
1,2,3-Trichlorobenzene	87-61-6	-	< 5	-

Compounds marked * are not UKAS accredited
"M" denotes that % fit has been manually interpreted

Internal standards	R.T.	Area %	Surrogates	% Rec
Pentafluorobenzene	3.67	87	Dibromofluoromethane	107
1,4-Difluorobenzene	4.01	87	Toluene-d8	100
Chlorobenzene-d5	5.12	88	Bromofluorobenzene	96
1,4-Dichlorobenzene-d4	5.90	84		

Volatile Organic Compounds by HSA-GCMS

UKAS accredited?: Yes

Customer and Site Details: Ground Investigation Ltd: Afan Way, Port Talbot
Sample Details: BH6
LIMS ID Number: EX0725488
Job Number: W07_5374

Directory/Quant file: 1008VOC.MS8\ Initial Calibration
Date Booked in: 26-Sep-07
Date Analysed: 08-Oct-07
Operator: AH
Matrix: Water
Method: Headspace
Multiplier: 1
Position: 10

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Dichlorodifluoromethane	75-71-8 *	-	< 1	-
Chloromethane	74-87-3	-	< 1	-
Vinyl Chloride	75-01-4	-	< 1	-
Bromomethane	74-83-9 *	-	< 5	-
Chloroethane	75-00-3	-	< 5	-
Trichlorofluoromethane	75-69-4	-	< 1	-
1,1-Dichloroethene	75-35-4	-	< 1	-
trans 1,2-Dichloroethene	156-60-5	-	< 1	-
1,1-Dichloroethane	75-34-3	-	< 1	-
2,2-Dichloropropane	594-20-7 *	-	< 1	-
cis 1,2-Dichloroethene	156-59-2	-	< 1	-
Bromochloromethane	74-97-5	-	< 1	-
Chloroform	67-66-3	-	< 5	-
1,1,1-Trichloroethane	71-55-6	-	< 1	-
Carbon Tetrachloride	56-23-5	-	< 1	-
1,1-Dichloropropene	563-58-6	-	< 1	-
Benzene	71-43-2	-	< 1	-
1,2-Dichloroethane	107-06-2	-	< 1	-
Trichloroethene	79-01-6	-	< 5	-
1,2-Dichloropropane	78-87-5	-	< 1	-
Dibromomethane	74-95-3	-	< 1	-
Bromodichloromethane	75-27-4	-	< 1	-
cis 1,3-Dichloropropene	10061-01-5 *	-	< 1	-
Toluene	108-88-3	-	< 1	-
trans 1,3-Dichloropropene	10061-02-6 *	-	< 1	-
1,1,2-Trichloroethane	79-00-5	-	< 1	-
Tetrachloroethene	127-18-4	-	< 5	-
1,3-Dichloropropane	142-28-9	-	< 1	-
Dibromochloromethane	124-48-1	-	< 1	-
1,2-Dibromoethane	106-93-4	-	< 1	-
Chlorobenzene	108-90-7	-	< 1	-
Ethylbenzene	100-41-4	-	< 1	-
1,1,1,2-Tetrachloroethane	630-20-6	-	< 1	-
m and p-Xylene	108-38-3/106-42-3	-	< 1	-
o-Xylene	95-47-6	-	< 1	-

Target Compounds	CAS #	R.T. (min.)	Concentration µg/l	% Fit
Styrene	100-42-5	-	< 1	-
Bromoform	75-25-2	-	< 1	-
iso-Propylbenzene	98-82-8	-	< 1	-
1,1,2,2-Tetrachloroethane	79-34-5	-	< 1	-
Propylbenzene	103-65-1	-	< 1	-
Bromobenzene	108-86-1	-	< 1	-
1,2,3-Trichloropropane	96-18-4	-	< 1	-
2-Chlorotoluene	95-49-8	-	< 1	-
1,3,5-Trimethylbenzene	108-67-8	-	< 1	-
4-Chlorotoluene	106-43-4	-	< 1	-
tert-Butylbenzene	98-06-6	-	< 1	-
1,2,4-Trimethylbenzene	95-63-6	-	< 1	-
sec-Butylbenzene	135-98-8	-	< 1	-
p-Isopropyltoluene	99-87-6	-	< 1	-
1,3-Dichlorobenzene	541-73-1	-	< 1	-
1,4-Dichlorobenzene	106-46-7	-	< 1	-
n-Butylbenzene	104-51-8	-	< 1	-
1,2-Dichlorobenzene	95-50-1	-	< 5	-
1,2-Dibromo-3-chloropropane	96-12-8 *	-	< 5	-
1,2,4-Trichlorobenzene	120-82-1	-	< 5	-
Hexachlorobutadiene	87-68-3	-	< 5	-
Naphthalene	91-20-3	-	< 5	-
1,2,3-Trichlorobenzene	87-61-6	-	< 5	-

Compounds marked * are not UKAS accredited
"M" denotes that % fit has been manually interpreted

Internal standards	R.T.	Area %	Surrogates	% Rec
Pentafluorobenzene	3.67	82	Dibromofluoromethane	108
1,4-Difluorobenzene	4.01	83	Toluene-d8	100
Chlorobenzene-d5	5.12	83	Bromofluorobenzene	97
1,4-Dichlorobenzene-d4	5.90	80		

Report Notes

Soil/Solid analysis specific:

Results expressed as mg/kg on an air dried basis unless stated otherwise
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

**PROPOSED RETAIL DEVELOPMENT,
AFAN WAY, PORT TALBOT
PLATES**



Plate 1 – Tar Tank beneath Unit D.



Plate 2 – Interior of Tar Tank

**PROPOSED RETAIL DEVELOPMENT,
AFAN WAY, PORT TALBOT
PLATES**

APPENDIX G2

**Council Yard Tar Tank
NPTC Correspondence (2007)**

Emma Jones

To: Jeremy Hucker

Subject: RE: Afan Way Port Talbot P2004/1778

Jeremy,

Thankyou for an early opportunity to review the findings of the investigation of possible impacts of the tar tank contents on the groundwater in the vicinity of Unit D in relation to Planning Application P2004/1778.

From the information provided and following our telephone conversation yesterday, I would agree there is no evidence of potential risk to human health on the site, and provided the remaining tank content is removed, I would have no objection to approving the discharge of the planning condition. However, this information will first have to be formally submitted through the planning department before I am able to do so. I would also recommend the Environment Agency are consulted on this matter.

Regards

Emma Jones
Contaminated Land Officer
Neath Port Talbot Council
01792 512687

From: Jeremy Hucker [mailto:jeremy.hucker@ground-investigation.com]

Sent: 28 November 2007 10:26

To: Emma Jones

Cc: rnl@fut.net; 'Mike Baroth'

Subject: Afan Way Port Talbot No 3

Emma

Enclosure D and plates for the above development.

Regards

Jeremy Hucker
Ground Investigation Limited
6 New Mill Court
Enterprise Park
Swansea SA7 9FG
Tel: 01792 411013
Fax: 01792 411014
Mob: 079 7750 8484



e-mail: jeremy.hucker@ground-investigation.co.uk

No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.503 / Virus Database: 269.16.9/1155 - Release Date: 27/11/2007 20:30

29/11/2007

APPENDIX H1

**Exploratory Hole Records from
Previous Investigations (GIL, 2007c)**

GROUND INVESTIGATION

TEL: , FAX: , EMAIL:



Ground Investigation

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Client: Dovey Group of Companies

Job No: p220.03

Method/Plant Used: Terrier 2000

Start date: 09/10/07

Easting:

Window Sampler Borehole Record

Hole ID

WS101

Sheet 1 of 1 (0.00m-5.00m)

All dimensions in metres

Scale 1:25

SAMPLES & IN-SITU TESTS

Depth

Type / No

Result / Remark

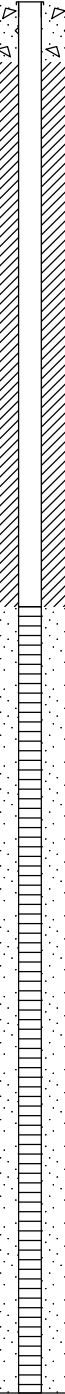
Water

Legend

Depth R.L.

Description

Backfill & Inst

0.40-0.50	PID	0 ppm		(0.20) 0.20	Loose to medium dense grey sandy fine to coarse angular limestone GRAVEL with some concrete fragments. MADE GROUND	
0.90-1.00	PID	0 ppm		(0.90) 1.10	Loose dark grey-black occasionally maroon silty fine to medium SAND and fine to coarse angular GRAVEL of ash brick and sandstone with occasional sandstone cobbles. MADE GROUND	
1.40-1.50	PID	0 ppm		(1.40) 2.50	Soft light grey-brown mottled orange-brown slightly sandy CLAY/SILT with occasional subangular sandstone gravel. Rare black staining. MADE GROUND	
1.90-2.00	PID	0 ppm		(0.60) 3.10	Medium dense red-brown and grey-brown COBBLE sized brick with some ash mortar. MADE GROUND	
2.40-2.50	PID	0 ppm		(0.60) 3.70	Soft grey and pale blue-grey slightly sandy CLAY/SILT with occasional decomposed fine roots. ESTUARINE ALLUVIUM	
2.90-3.00	PID	0 ppm		(0.30) 4.00	Medium dense grey with occasional black staining silty fine to coarse SAND and fine to coarse subangular and subrounded sandstone GRAVEL with some subangular and subrounded sandstone cobbles. FLUVIO-GLACIAL GRAVELS	
3.40-3.50	PID	2.2 ppm		(1.00) 5.00	Medium dense to dense grey with occasional black staining slightly silty fine to coarse SAND and fine to coarse subangular and subrounded sandstone GRAVEL with some subangular and subrounded sandstone cobbles. FLUVIO-GLACIAL GRAVELS	
3.90-4.00	PID	2.5 ppm				
4.40-4.50	PID	2 ppm				

Borehole terminated at 5.00 m depth

Boring Progress and Water Observations					Water Strikes			Chiselling				Hole Diameter		Casing Diameter		
Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)
					3.70		2.90	10					2.00	110	2.00	110
													3.00	98		
													4.00	88		
													5.00	78		

General Remarks

1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.

2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.

3. PID readings taken of 'head space' of sealed bag samples.

4. Installation: 50mm diam. plain pipe from GL to 2.0m depth with bentonite seal, gas valve and flush cover, 50mm slotted pipe with pea gravel surround from 2.0 to 4.6m.

WINDOW SAMPLE BOREHOLE 220.4 AFAN WAY GPJT IW 60T 03/12/07

GROUND INVESTIGATION
TEL: , FAX: , EMAIL:



Ground Investigation

Window Sampler Borehole Record

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Method/Plant Used: Terrier 2000

Client: Dovey Group of Companies

Start date: 09/10/07

End Date: 09/10/07

Logged By: JWD

Job No: p220.03

Easting:

Northing:

Elevation:

Hole ID
WS102

Sheet 1 of 1 (0.00m-5.00m)

All dimensions in metres

Scale 1:25

SAMPLES & IN-SITU TESTS

Depth	Type / No	Result / Remark
0.40-0.50	PID	0 ppm
0.90-1.00	PID	0 ppm
1.40-1.50	PID	0 ppm
1.90-2.00	PID	0 ppm
2.40-2.50	PID	0 ppm
3.00-3.10	PID	0 ppm
3.40-3.50	PID	0 ppm
3.90-4.00	PID	0 ppm
4.40-4.50	PID	0 ppm

Water

STRATA

Legend	Depth R.L.	Description
	(3.00)	Loose dark grey-black occasionally red-brown and orange-brown slightly silty fine to coarse SAND and fine to coarse angular GRAVEL of ash clinker brick mortar and sandstone fragments with occasional timber and rope. MADE GROUND
	3.00 3.10	Steel sheet approximately 1mm thick underlain by loose to medium dense orange-brown sandy subrounded sandstone GRAVEL and cobbles. MADE GROUND
	(0.70)	Soft grey and pale blue-grey slightly sandy CLAY/SILT with occasional decomposed fine roots. ESTUARINE ALLUVIUM
	3.80 (0.20) 4.00	Medium dense grey with occasional black staining silty fine to coarse SAND and fine to coarse subangular and subrounded sandstone GRAVEL with some subangular and subrounded sandstone cobbles. FLUVIO-GLACIAL GRAVELS
	(1.00) 5.00	Medium dense to dense grey-brown fine to coarse SAND and fine to coarse subangular and rounded sandstone GRAVEL with some subangular and rounded sandstone cobbles. FLUVIO-GLACIAL GRAVELS

Borehole terminated at 5.00 m depth

Boring Progress and Water Observations					Water Strikes		Chiselling				Hole Diameter		Casing Diameter			
Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)
					3.80								5.00	110	5.00	110

General Remarks

1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.

2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.

3. PID readings taken of 'head space' of sealed bag samples.

4. Installation: 50mm diam. plain pipe from GL to 3.5m depth with bentonite seal, gas valve and flush cover, 50mm slotted pipe with pea gravel surround from 3.5 to 5.0m.

WINDOW SAMPLE BOREHOLE 220.4 AFAN WAY GRJT IW 6DT 03/12/07

GROUND INVESTIGATION
TEL: , FAX: , EMAIL:



Ground Investigation

Window Sampler Borehole Record

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Method/Plant Used: Terrier 2000

Client: Dovey Group of Companies

Start date: 09/10/07

End Date: 09/10/07

Logged By: JWD

Job No: p220.03

Easting:

Northing:

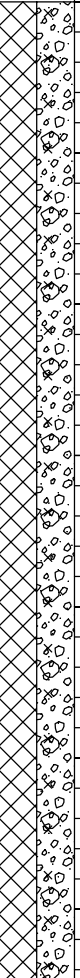
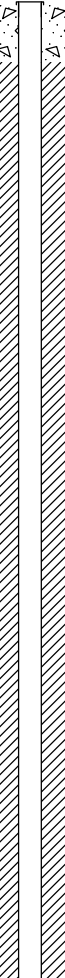
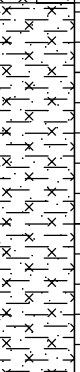
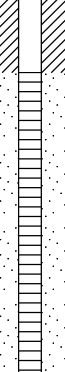
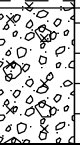
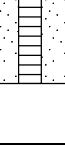
Elevation:

Hole ID
WS103

Sheet 1 of 1 (0.00m-5.00m)

All dimensions in metres

Scale 1:25

SAMPLES & IN-SITU TESTS			Water	STRATA		Backfill & Inst										
Depth	Type / No	Result / Remark		Legend	Depth R.L.		Description									
0.40-0.50	PID	0 ppm			(3.27)	Loose dark grey-black occasionally red-brown and orange-brown slightly silty fine to coarse SAND and fine to coarse angular GRAVEL of ash clinker brick mortar and sandstone fragments with occasional brick timber and rope. MADE GROUND										
0.90-1.00	PID	0 ppm														
1.40-1.50	PID	0 ppm														
1.90-2.00	PID	0 ppm														
2.40-2.50	PID	0 ppm														
3.10-3.20	PID	0 ppm														
3.40-3.50	PID	0 ppm		(1.28)	Soft grey and pale blue-grey slightly sandy CLAY/SILT with occasional decomposed fine roots. ESTUARINE ALLUVIUM											
3.90-4.00	PID	0 ppm														
4.50-4.60	PID	0 ppm														
				(0.45)	Medium dense to dense grey with occasional black staining slightly silty fine to coarse SAND and fine to coarse subangular and subrounded sandstone GRAVEL with some subangular and subrounded sandstone cobbles. FLUVIO-GLACIAL GRAVELS											
Borehole terminated at 5.00 m depth																
Boring Progress and Water Observations					Water Strikes		Chiselling			Hole Diameter		Casing Diameter				
Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)
					4.60		4.10	5					5.00	110	5.00	110
General Remarks 1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps. 2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable. 3. PID readings taken of 'head space' of sealed bag samples. 4. Installation: 50mm diam. plain pipe from GL to 3.5m depth with bentonite seal, gas valve and flush cover, 50mm slotted pipe with pea gravel surround from 3.5 to 4.8m.																

WINDOW SAMPLE BOREHOLE 220.4 AFAN WAY GPJT IW 6DT 03/12/07

GROUND INVESTIGATION
TEL : FAX : EMAIL :

Ground Investigation

Window Sampler Borehole Record

Hole ID
WS104

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Method/Plant Used: Terrier 2000

Client: Dovey Group of Companies

Start date: 09/10/07

End Date: 09/10/07

Logged By: JWD

Job No: p220.03

Easting:

Northing:

Elevation:

SAMPLES & IN-SITU TESTS

Depth	Type / No	Result / Remark
0.40-0.50	PID	0 ppm
0.90-1.00	PID	0 ppm
1.40-1.50	PID	0 ppm
1.90-2.00	PID	0 ppm
2.40-2.50	PID	0 ppm
2.90-3.00	PID	0 ppm
3.40-3.50	PID	0 ppm
3.90-4.00	PID	0 ppm
4.40-4.50	PID	0 ppm
4.90-5.00	PID	0 ppm

STRATA

Legend	Depth R.L.	Description
	(1.00) 1.00	Loose dark grey-black occasionally red-brown and orange-brown slightly silty fine to coarse SAND and fine to coarse angular GRAVEL of ash clinker brick mortar and sandstone fragments with occasional brick coal and steel. MADE GROUND
	(1.10) 2.10	Loose dark grey-black occasionally red-brown and orange-brown slightly silty fine to coarse SAND and fine to coarse angular GRAVEL of ash clinker brick mortar and sandstone fragments with occasional brick. MADE GROUND
	(0.80) 2.90	Soft to firm light grey mottled orange-brown slightly sandy CLAY/SILT. ESTUARINE ALLUVIUM
	(1.70) 4.60	Soft grey and pale blue-grey slightly sandy CLAY/SILT with occasional decomposed fine roots. ESTUARINE ALLUVIUM
	(0.40) 5.00	Medium dense to dense grey with occasional black staining slightly silty fine to coarse SAND and fine to coarse subangular and subrounded sandstone GRAVEL with some subangular and subrounded sandstone cobbles. FLUVIO-GLACIAL GRAVELS

Water

Backfill & Inst

Borehole terminated at 5.00 m depth

Boring Progress and Water Observations

Date	Time	Hole Depth	Casing Depth	Water Depth

Water Strikes

Strike Depth	Flow Rate
4.60	

Post Strike Depth

Elapsed Minutes	Depth Sealed

Chiselling

From	To	Time (hh:mm)

Hole Diameter

Depth	Diameter (mm)
5.00	110

Casing Diameter

Depth	Diameter (mm)
5.00	110

General Remarks

1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.

2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.

3. PID readings taken of 'head space' of sealed bag samples.

4. Installation: 50mm diam. plain pipe from GL to 2.5m depth with bentonite seal, gas valve and flush cover, 50mm slotted pipe with pea gravel surround from 2.5 to 5.0m.

GROUND INVESTIGATION TEL: FAX: EMAIL: WINDOW SAMPLE BOREHOLE 220.4 AFAN WAY GRP IW 6DT 03/12/07



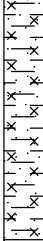
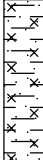
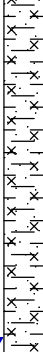
Ground Investigation

Window Sampler Borehole Record

Hole ID
WS105

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot	Method/Plant Used: Terrier 2000		
Client: Dovey Group of Companies	Start date: 10/10/07	End Date: 10/10/07	Logged By: JWD
Job No: p220.03	Easting:	Northing:	Elevation:

SAMPLES & IN-SITU TESTS			Water	STRATA		Backfill & Inst
Depth	Type / No	Result / Remark		Legend	Depth R.L.	
0.90-1.00	PID	0 ppm		(0.75)	Medium dense dark grey-black slightly silty fine to coarse SAND and fine to coarse angular GRAVEL of ash with some brick mortar and sandstone fragments with occasional pottery. MADE GROUND	
				0.75		
				(0.55)	Medium dense grey-brown slightly silty fine to coarse SAND and fine to coarse subrounded sandstone GRAVEL with some subrounded sandstone cobbles. MADE GROUND	
				1.30		
1.40-1.50	PID	0 ppm		(0.50)	Medium dense dark grey and orange-brown occasionally maroon sandy fine to coarse angular GRAVEL of slag and ash. MADE GROUND	
				1.80		
1.90-2.00	PID	0 ppm		(0.20) 2.00	Loose yellow-brown fine to medium SAND. Possible hydrocarbon staining from 1.9 to 2.0m depth. PROBABLE MADE GROUND	
				(0.80)	Soft to firm light grey mottled orange-brown slightly sandy CLAY/SILT. ESTUARINE ALLUVIUM	
2.40-2.50	PID	0 ppm		2.80		
				(1.70)	Very soft to soft light grey mottled orange-brown slightly sandy CLAY/SILT with occasional decomposed fine roots. ESTUARINE ALLUVIUM	
2.90-3.00	PID	0 ppm		4.50		
				(0.50)	Medium dense blue-grey slightly silty medium to coarse SAND and fine to coarse subrounded sandstone GRAVEL with some subrounded sandstone cobbles. FLUVIO-GLACIAL GRAVELS	
3.40-3.50	PID	0 ppm		5.00		
3.90-4.00	PID	0 ppm				
4.50-4.60	PID	0 ppm				
4.90-5.00	PID	0 ppm				

Borehole terminated at 5.00 m depth

Boring Progress and Water Observations					Water Strikes				Chiselling				Hole Diameter		Casing Diameter	
Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)
					4.50								4.00	110	4.00	110
													5.00	88		

General Remarks

- All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
- All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
- Located close to electricity sub station, starter pit hand excavated to 1.15m prior to sampling.
- PID readings taken of 'head space' of sealed bag samples.
- 50mm diam. plain pipe from GL to 2.5m depth with bentonite seal, gas valve and flush cover, 50mm slotted pipe with pea gravel surround from 2.5 to 5.0m.

GROUND INVESTIGATION
TEL: , FAX: , EMAIL:



Ground Investigation

Window Sampler Borehole Record

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Method/Plant Used: Terrier 2000

Client: Dovey Group of Companies

Start date: 10/10/07

End Date: 10/10/07

Logged By: JWD

Job No: p220.03

Easting:

Northring:

Elevation:

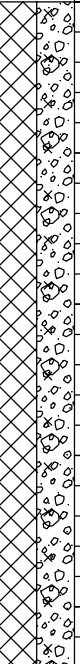
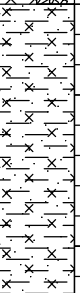
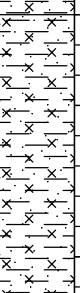
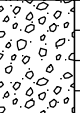
Hole ID

WS106

Sheet 1 of 1 (0.00m-5.00m)

All dimensions in metres

Scale 1:25

SAMPLES & IN-SITU TESTS			Water	STRATA		Backfill & Inst										
Depth	Type / No	Result / Remark		Legend	Depth R.L.		Description									
0.40-0.50	PID	0 ppm	 	 (2.20)	Loose dark grey-black occasionally red-brown and orange-brown slightly silty fine to coarse SAND and fine to coarse angular GRAVEL of ash clinker brick mortar and sandstone fragments with occasional brick timber steel and coal. MADE GROUND											
0.90-1.00	PID	0 ppm														
1.40-1.50	PID	0 ppm														
1.90-2.00	PID	0 ppm														
2.40-2.50	PID	0 ppm		 (1.00)	Soft to firm light grey mottled orange-brown slightly sandy CLAY/SILT. ESTUARINE ALLUVIUM											
2.90-3.00	PID	0 ppm														
3.40-3.50	PID	0 ppm		 (1.00)	Soft light grey slightly sandy CLAY/SILT with occasional decomposed fine roots. ESTUARINE ALLUVIUM											
3.90-4.00	PID	0 ppm														
4.40-4.50	PID	0 ppm		 (0.40)	Medium dense grey-brown very silty fine to coarse SAND and fine to coarse subrounded sandstone GRAVEL. FLUVIO-GLACIAL GRAVELS											
4.60-4.70	PID	0 ppm														
					 (0.40)	Medium dense to dense grey-brown fine to coarse SAND and fine to coarse subangular and subrounded sandstone GRAVEL. FLUVIO-GLACIAL GRAVELS										
						5.00										
Borehole terminated at 5.00 m depth																
Boring Progress and Water Observations					Water Strikes		Chiselling			Hole Diameter		Casing Diameter				
Date	Time	Hole Depth	Casing Depth	Water Depth	Strike Depth	Flow Rate	Post Strike Depth	Elapsed Minutes	Depth Sealed	From	To	Time (hh:mm)	Depth	Diameter (mm)	Depth	Diameter (mm)
					4.20		3.50	5					4.00 5.00	110 88	4.00	110
General Remarks 1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps. 2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable. 3. PID readings taken of 'head space' of sealed bag samples. 4. Installation 50mm diam. plain pipe from GL to 3.0m depth with bentonite seal, gas valve and flush cover, 50mm slotted pipe with pea gravel surround from 3.0 to 4.6m.																

WINDOW SAMPLE BOREHOLE 220.4 AFAN WAY GPJT IW GDT 03/12/07

GROUND INVESTIGATION
TEL : FAX : EMAIL :



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP201

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Method/Plant Used: JCB 130, 360, tracked 13t excavator

Client: Dovey Group of Companies

Start date: 25/10/07

End Date: 25/10/07

Logged By: JWD

Job No: p220.03

Easting:

Northing:

Elevation:

SAMPLES & IN-SITU TESTS

Depth	Type / No	Results / Remarks
0.50	PID	0 ppm
1.00	PID	0 ppm
1.50	PID	0 ppm
2.20	PID	55 ppm
2.50	PID	32 ppm

Water

STRATA

Legend	Depth R.L.	Description
	(0.30) 0.30	Loose dark grey-black occasionally red-brown fine to coarse SAND and fine to coarse angular GRAVEL of concrete and brick fragments with many cobbles of brick and concrete. MADE GROUND
	(1.10) 1.40	Loose to medium dense dark brown and dark grey-black slightly silty fine to coarse SAND and fine to coarse angular GRAVEL of sandstone and ash with many angular sandstone cobbles and some brick. MADE GROUND
	(0.70) 2.10	Soft grey-brown mottled orange-brown slightly sandy CLAY/SILT with occasional thin lenses of blue-grey stained black very silty sand. No hydrocarbon odour noted. ESTUARINE ALLUVIUM
	(0.50) 2.60	Soft blue grey occasionally black slightly sandy CLAY/SILT Hydrocarbon staining and strong hydrocarbon odour. ESTUARINE ALLUVIUM
		Trial pit terminated at 2.60 m depth

Groundwater Observations

Strike Depth	Flow Rate Remarks
Not Struck	

Shoring/Support: none
Side Stability: Vertical and stable

General Remarks

1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
3. PID readings taken from exposed soil.
4. Trial pit located within former fuel pump island.

Diagram

0.80

B

3.00

A

C

D

N

TP 01 220.4 AFAN WAY GPT IW GBT 03/12/07

GROUND INVESTIGATION... TEL: FAX: EMAIL: TP 01 220.4 AFAN WAY GPJ IW.GBT 03/12/07



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP203

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot	Method/Plant Used: JCB 130, 360, tracked 13t excavator		
Client: Dovey Group of Companies	Start date: 25/10/07	End Date: 25/10/07	Logged By: JWD
Job No: p220.03	Easting:	Northing:	Elevation:

SAMPLES & IN-SITU TESTS			Water	STRATA	
Depth	Type / No	Results / Remarks		Legend	Description
					Weak concrete - probable lean-mix. MADE GROUND ... 0.1 to 0.4m depth - concrete block wall of former building exposed along western face of excavation.
0.50	PID	0 ppm			Loose to medium dense dark grey fine to coarse SAND and fine to coarse angular GRAVEL of ash mortar and brick fragments with brick and sandstone cobbles and occasional plastic pipe. MADE GROUND ... 0.4 to 1.4m depth - concrete foundation of former building exposed along western face of excavation, foundation stepped out some 0.5m from face of wall.
1.00	PID	0 ppm			
1.45	PID	0 ppm			Loose yellow-brown fine to coarse SAND. MADE GROUND
1.70	PID	0 ppm			Soft to firm grey-brown mottled orange/red-brown slightly sandy CLAY/SILT. ESTUARINE ALLUVIUM
2.00	PID	0 ppm			
2.30	PID	0 ppm			Soft grey-brown mottled orange/red-brown slightly sandy CLAY/SILT. ESTUARINE ALLUVIUM
2.50	PID	0 ppm			
2.70	PID	0 ppm			Soft light grey occasionally mottled orange-brown slightly sandy CLAY/SILT with occasional fine decomposed root remains and occasional thin lenses of grey silty sand. No hydrocarbon odour noted. ESTUARINE ALLUVIUM
3.00	PID	0 ppm			
3.50	PID	0 ppm			Loose to medium dense blue-grey silty fine to coarse SAND with some medium to coarse rounded sandstone gravel and cobbles. FLUVIO-GLACIAL GRAVELS
					Trial pit terminated at 3.60 m depth

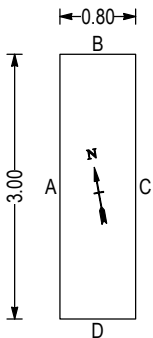
Groundwater Observations

Strike Depth	Flow Rate Remarks
Not Struck	

Shoring/Support: none
Side Stability: Vertical and stable

General Remarks

- All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
- All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
- PID readings taken from exposed soil.



GROUND INVESTIGATION... TEL: FAX: EMAIL: TP 01 220.4 AFAN WAY GPT IW GBT 03/12/07



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP204

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot	Method/Plant Used: JCB 130, 360, tracked 13t excavator		
Client: Dovey Group of Companies	Start date: 25/10/07	End Date: 25/10/07	Logged By: JWD
Job No: p220.03	Easting:	Northing:	Elevation:

SAMPLES & IN-SITU TESTS			Water	STRATA	
Depth	Type / No	Results / Remarks		Legend	Description
0.07					Tarmacadam MADE GROUND
0.50	PID	0 ppm			Loose to medium dense dark grey fine to coarse SAND and fine to coarse angular GRAVEL of ash mortar and brick fragments with much brick and occasional steel. MADE GROUND
1.00	PID	0 ppm			
1.40	PID	0 ppm			Soft to firm grey-brown mottled orange-brown slightly sandy CLAY/SILT. ESTUARINE ALLUVIUM
2.00	PID	0 ppm			Soft grey-brown mottled orange-brown slightly sandy CLAY/SILT. ESTUARINE ALLUVIUM
2.50	PID	0 ppm			Soft light grey-brown slightly sandy CLAY/SILT with occasional decomposed fine root remains. ESTUARINE ALLUVIUM
3.00	PID	0 ppm			Soft blue-grey slightly sandy CLAY/SILT with occasional decomposed fine root remains. ESTUARINE ALLUVIUM
3.50	PID	0 ppm			Trial pit terminated at 3.40 m depth

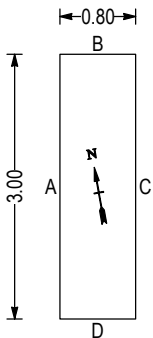
Groundwater Observations

Strike Depth	Flow Rate Remarks
Not Struck	

Shoring/Support: none
Side Stability: Vertical and stable

General Remarks

- All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
- All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
- PID readings taken from exposed soil.



GROUND INVESTIGATION... TEL: FAX: EMAIL: TP 01 220.4.AFAN WAY.GPJ IW.GBT 03/12/07



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP205a

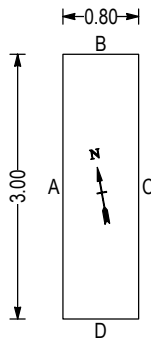
Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot	Method/Plant Used: JCB 130, 360, tracked 13t excavator		
Client: Dovey Group of Companies	Start date: 25/10/07	End Date: 25/10/07	Logged By: JWD
Job No: p220.03	Easting:	Northing:	Elevation:

SAMPLES & IN-SITU TESTS			Water	STRATA	
Depth	Type / No	Results / Remarks		Legend	Description
0.50	PID	0 ppm			Tarmacadam MADE GROUND
					Weak concrete - probable lean-mix. MADE GROUND
					
1.00	PID	0 ppm			
1.40	PID	0 ppm			
1.80	PID	67 ppm			
2.00	PID	32 ppm			
2.40	PID	44 ppm			
2.70	PID	525 ppm			
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

Groundwater Observations		Shoring/Support: none Side Stability: Vertical and stable
Strike Depth	Flow Rate Remarks	
Not Struck		

General Remarks
1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
3. PID readings taken from exposed soil.
4. Trial pit located 0.5m to west of Well E4.



GROUND INVESTIGATION
TEL : FAX : EMAIL :



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP205b

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Method/Plant Used: JCB 130, 360, tracked 13t excavator

Client: Dovey Group of Companies

Start date: 25/10/07

End Date: 25/10/07

Logged By: JWD

Job No: p220.03

Easting:

Northing:

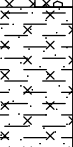
Elevation:

SAMPLES & IN-SITU TESTS

Depth	Type / No	Results / Remarks
0.50	PID	0 ppm
1.00	PID	0 ppm
1.50	PID	0 ppm
1.80	PID	6.1 ppm
2.00	PID	48 ppm
2.50	PID	360 ppm

Water

STRATA

Legend	Depth R.L.	Description
	0.14	Tarmacadam MADE GROUND
	(0.26) 0.40	Weak concrete - probable lean-mix. MADE GROUND
	(1.40) 1.80	Loose to medium dense dark grey-black slightly silty fine to coarse SAND and fine to medium angular GRAVEL of ash mortar and brick fragments with much brick. MADE GROUND
	(0.50) 2.30	Soft grey-brown occasionally stained black slightly sandy CLAY/SILT Strong hydrocarbon odour. ESTUARINE ALLUVIUM
	(0.30) 2.60	Soft grey-brown occasionally stained black slightly sandy CLAY/SILT Saturated with hydrocarbons with lenses up to 150mm thick of black stained silty sand. Very strong hydrocarbon odour. ESTUARINE ALLUVIUM
		Trial pit terminated at 2.60 m depth

Groundwater Observations

Strike Depth	Flow Rate	Remarks
Not Struck		

Shoring/Support: none

Side Stability: Vertical and stable

General Remarks

1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
3. PID readings taken from exposed soil.
4. Trial pit located 0.5m to east of Well E4.

0.80

B

3.00

A

C

D

N

TP 01 220.4.AFAN WAY.GPJ IW.GBT 03/12/07

GROUND INVESTIGATION, TEL: , FAX: , EMAIL: TP 01 220.4, AFAN WAY, GPJ IW, GBT 03/12/07



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP206

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot	Method/Plant Used: JCB 130, 360, tracked 13t excavator		
Client: Dovey Group of Companies	Start date: 25/10/07	End Date: 25/10/07	Logged By: JWD
Job No: p220.03	Easting:	Northing:	Elevation:

SAMPLES & IN-SITU TESTS			Water	STRATA	
Depth	Type / No	Results / Remarks		Legend	Description
0.50	PID	0 ppm			Loose light grey coarse angular GRAVEL and cobbles of concrete fragments with much steel reinforcement. MADE GROUND
					Loose dark grey-black fine to coarse SAND of ash with much fine to coarse angular gravel of ash and concrete fragments with occasional steel. MADE GROUND
1.00	PID	0 ppm			Loose dark grey-black and dark brown slightly silty fine to coarse SAND and fine to coarse angular and rounded GRAVEL of ash and sandstone with some rounded sandstone cobbles and some brick. MADE GROUND
1.50	PID	0 ppm			
1.70	PID	4.3 ppm			Soft orange-brown slightly sandy CLAY/SILT with pockets of blue-grey stained black slightly sandy CLAY/SILT with occasional fine decomposed root remains. No hydrocarbon odour noted. ESTUARINE ALLUVIUM
1.80	PID	0 ppm			
2.00	PID	0 ppm			
2.50	PID	0 ppm			Soft blue-grey occasionally mottled brown slightly sandy CLAY/SILT. No hydrocarbon odour noted. ESTUARINE ALLUVIUM
3.00	PID	0 ppm			Trial pit terminated at 3.00 m depth

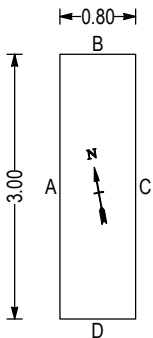
Groundwater Observations

Strike Depth	Flow Rate Remarks
3.00	Damp at 3.0m depth

Shoring/Support: none
Side Stability: Vertical and stable

General Remarks

- All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
- All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
- PID readings taken from exposed soil.



GROUND INVESTIGATION, TEL, FAX, EMAIL: TP 01 220.4, AFAN WAY, GPJ IW, GBT 03/12/07



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP207

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot	Method/Plant Used: JCB 130, 360, tracked 13t excavator		
Client: Dovey Group of Companies	Start date: 25/10/07	End Date: 25/10/07	Logged By: JWD
Job No: p220.03	Easting:	Northing:	Elevation:

SAMPLES & IN-SITU TESTS			Water	STRATA	
Depth	Type / No	Results / Remarks		Legend	Description
0.50	PID	0 ppm			Loose dark grey-brown and maroon fine to coarse SAND and fine to coarse angular GRAVEL of ash sandstone and brick fragments with some brick and subrounded sandstone cobbles and occasional steel and timber. MADE GROUND
1.00	PID	0 ppm			Loose dark grey-brown slightly silty fine to coarse SAND and fine to coarse angular sandstone GRAVEL with much angular and tabular sandstone cobbles. MADE GROUND
1.50	PID	0 ppm			Soft orange-brown mottled grey slightly sandy CLAY/SILT with occasional thin lenses of black silty sand. Slight hydrocarbon odour. ESTUARINE ALLUVIUM
1.70	PID	2.1 ppm			Soft grey-brown occasionally stained black slightly sandy CLAY/SILT
1.90	PID	250 ppm			Soft grey-brown occasionally stained black slightly sandy CLAY/SILT Strong hydrocarbon odour. ESTUARINE ALLUVIUM
2.50	PID	244 ppm			Soft grey-brown occasionally stained black slightly sandy CLAY/SILT
					Trial pit terminated at 2.60 m depth

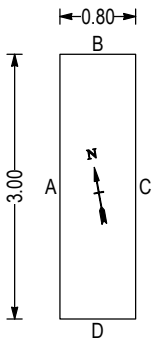
Groundwater Observations

Strike Depth	Flow Rate Remarks
Not Struck	

Shoring/Support: none
Side Stability: Vertical and stable

General Remarks

- All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
- All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
- PID readings taken from exposed soil.



GROUND INVESTIGATION
TEL: FAX: EMAIL:



Ground Investigation

TRIAL PIT RECORD

Hole ID
TP208

Sheet 1 of 1 (0.00m-5.00m)
All dimensions in metres
Scale 1:25

Site: Former Petrol Filling Station, Afan Way, Port Talbot

Method/Plant Used: JCB 130, 360, tracked 13t excavator

Client: Dovey Group of Companies

Start date: 25/10/07

End Date: 25/10/07

Logged By: JWD

Job No: p220.03

Easting:

Northing:

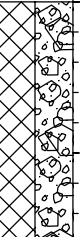
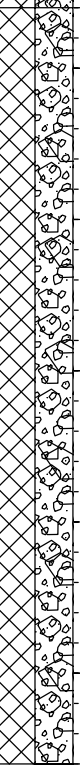
Elevation:

SAMPLES & IN-SITU TESTS

Depth	Type / No	Results / Remarks
0.50	PID	0 ppm
1.00	PID	0 ppm
1.50	PID	0 ppm
2.00	PID	0 ppm
2.50	PID	0 ppm
3.00	PID	0 ppm
3.40	PID	0 ppm
3.70	PID	0 ppm

Water

STRATA

Legend	Depth R.L.	Description
	(0.80) 0.80	Loose dark grey-black and maroon fine to coarse SAND and fine to coarse angular GRAVEL of ash sandstone and brick fragments with many cobbles and boulders of brick block sandstone and concrete and occasional steel and wire. MADE GROUND
	(2.50) 3.30	Loose dark grey-black and maroon fine to coarse SAND and fine to coarse angular GRAVEL of ash sandstone and brick fragments with many cobbles and boulders of brick and sandstone and occasional steel and wire. MADE GROUND
	(0.30) 3.60	Soft dark blue-grey occasionally black slightly sandy CLAY/SILT. No hydrocarbon odour noted. ESTUARINE ALLUVIUM
	(0.20) 3.80	Loose to medium dense blue-grey silty fine to coarse SAND with some medium to coarse rounded sandstone gravel. No hydrocarbon odour noted. FLUVIO-GLACIAL GRAVELS
		Trial pit terminated at 3.80 m depth

Groundwater Observations

Strike Depth	Flow Rate Remarks
3.60	Damp at 3.6m depth

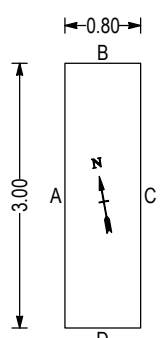
Shoring/Support: none

Side Stability: Some collapse from 1.0m depth.

General Remarks

1. All dimensions are in metres unless stated, Coordinates approximate only and interpolated from recent OS maps.
2. All descriptions of consistency and relative density are based on field observations and results of in-situ tests where applicable.
3. PID readings taken from exposed soil.

Diagram



TP 01 220.4, AFAN WAY, GPJ IW, GBT 03/12/07

APPENDIX H2

Monitoring Results (GIL, 2007c)

APPENDIX E GROUNDWATER MONITORING DATA

Site: Afan Way, Port Talbot
Monitoring Date: 8th November 2006
Barometric Pressure: -
Weather Conditions: Dry, overcast.
Field Operative: JWD

Monitoring Visit: 1 of 3

Well ID	Depth to Water (m)	Depth to Base (m)	Depth to Hydrocarbon (m)	Thickness of Hydrocarbon (mm)
BH 4	2.78	4.97	n/d	0
E1	2.75	6.15	n/d	0
E2	2.48	5.65	n/d	0
E3	3.03	4.95	n/d	0
E4	2.76	5.85	n/d	0
E6	2.64	5.00	n/d	0

Notes:

1. Wells that remained undamaged on the former petrol filling station site were monitored.
2. n/d - no phase separated product identified.
3. Readings taken between 12:00 and 14:00 hours

APPENDIX E GROUNDWATER MONITORING DATA

Site: Afan Way, Port Talbot
Monitoring Date: 17th October 2007
Barometric Pressure: -
Weather Conditions: Dry, overcast and windy.
Field Operative: GG

Monitoring Visit: 2 of 3

Well ID	Depth to Water (m)	Depth to Base (m)	Depth to Hydrocarbon (m)	Thickness of Hydrocarbon (mm)	Remarks
BH4	2.87	4.89	n/d	0	No Visual/Odour Evidence
E1	2.76	7.90	n/d	0	Strong Hydrocarbon Odour/Visual Sheen
E2	2.53	5.71	n/d	0	No Visual/Odour Evidence.
E4	4.20	5.75	4.2	See remarks	Bailers contained 850mm of hydrocarbons.
E6	2.71	5.33	n/d	0	No Visual/Odour Evidence
WS101	2.83	3.96	n/d	0	No Visual/Slight Odour Evidence
WS102	2.89	4.91	n/d	0	No Visual/Odour Evidence
WS103	3.28	4.78	n/d	0	No Visual/Odour Evidence
WS104	2.96	4.86	n/d	0	No Visual/Odour Evidence
WS105	2.18	4.76	n/d	0	No Visual/Odour Evidence
WS106	2.82	4.44	n/d	0	No Visual/Odour Evidence
WS107	2.48	3.90	n/d	0	No Visual/Odour Evidence

Notes:

1. n/d – no phase separated product detected.
2. Readings taken between 10:00 and 14:00 hours.
3. Groundwater samples recovered from wells.

APPENDIX E

GROUNDWATER MONITORING DATA

Site: Afan Way, Port Talbot
Monitoring Date: 27th November 2007
Barometric Pressure: -
Weather Conditions: Dry, overcast and windy.
Field Operative: GG

Monitoring Visit: 3 of 3

Well ID	Depth to Water (m)	Depth to Base (m)	Depth to Hydrocarbon (m)	Thickness of Hydrocarbon (mm)	Remarks
BH4	2.85	4.89	n/d	0	No Visual/Odour Evidence.
E1	-	-	-	-	Well head no longer present.
E2	-	-	-	-	Well head no longer present.
E4	4.13	5.75	2.79	1,340	Strong Visual/Odour Evidence.
E6	-	-	-	-	Well head no longer present .
WS101	-	-	-	-	Well head no longer present
WS102	-	-	-	-	Well head no longer present .
WS103	3.30	4.78	n/d	0	No Visual/Odour Evidence.
WS104	2.99	4.86	n/d	0	No Visual/Odour Evidence.
WS105	-	-	-	-	Well head no longer present .
WS106	-	-	-	-	Well head no longer present .
WS107	2.50	3.90	n/d	0	No Visual/Odour Evidence.

Notes:

1. n/d – no phase separated product detected.
2. Readings taken between 10:00 and 14:00 hours.
3. Wells E1, E2, E6, WS101, WS102, WS105 and WS106 damaged in recent site preparation works. Well heads lost.

APPENDIX H3

Laboratory Test Results (GIL, 2007c)

TEST REPORT

WATER SAMPLE ANALYSIS

Amended Report

TES Report No. EXR/075897 (Ver. 2)

Ground Investigation Ltd
6 New Mill Court
Phoenix Way
Swansea
SA7 9FG

Site: Afan Way, Port Talbot

The 12 samples described in this report were logged for analysis by TES Bretby on 18-Oct-2007. This is an amended report that replaces the report issued on 7 November 2007

The analysis was completed by: 08-Nov-2007

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS 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 (Page 2)
Table of GRO Results (Page 3)
Table of TPH (Si) banding (0.01) (Pages 4 to 5)
GC-FID Chromatograms (Pages 6 to 29)
Table of Report Notes (Page 30)

On behalf of
TES Bretby :
J Elstub



Project Co-ordinator

Date of Issue: 08-Nov-2007

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

TES Bretby accepts no responsibility for any sampling not carried out by our personnel.

Units : Method Codes : Method Reporting Limits : UKAS Accredited :			mg/l	ug/l	mg/l	mg/l	mg/l											
			ICPMSW	GROHSA	WSLM20.	GROHSA	TPHFID-Si											
			0.002	10	0.1	0.1	0.01											
			yes	yes	no	no	no											
TES ID Number EX/	Client Sample Description	Sample Date	Zinc as Zn (Dissolved)	MTBE-HSA	Dissolved Oxygen	GRO-HSA (AA)	TPH GC (AA)											
0727734	WS101	17-Oct-07	0.009	260	0.2	Req	Req											
0727735	WS102	17-Oct-07	0.017	4190	0.2	Req	Req											
0727736	WS103	17-Oct-07	0.011	<10.0	2.4	Req	Req											
0727737	WS104	17-Oct-07	0.542	<10.0	2.6	Req	Req											
0727738	WS105	17-Oct-07	0.020	<10.0	1.4	Req	Req											
0727739	WS106	17-Oct-07	0.162	<10.0	1.4	Req	Req											
0727740	WS107	17-Oct-07	0.019	<10.0	1.5	Req	Req											
0727741	E1	17-Oct-07	0.008	<10.0	0.2	Req	Req											
0727742	E2	17-Oct-07	0.040	<10.0	3.7	Req	Req											
0727743	E4	17-Oct-07	0.023	7330	\$\$	Req	Req											
0727744	E6	17-Oct-07	0.010	<10.0	3.4	Req	Req											
0727745	BH4	17-Oct-07	0.025	<10.0	3.4	Req	Req											
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		Ground Investigation Ltd						Water Sample Analysis						TES Bretby	
			Contact		Mr J Daly						Date Printed		07-Nov-07					
			Afan Way, Port Talbot						Report Number		EXR/075897							
									Table Number		1							

Gasoline Range Organics (BTEX and Aliphatic Carbon Ranges)

Customer and Site Details: Ground Investigation Ltd: Afan Way, Port Talbot
Job Number: W07_5897
Directory: 1105HSA_GC9
Method: Headspace GCFID

Matrix: Water
Date Booked in: 18-Oct-07
Date extracted: 09-Jul-07
Date Analysed: 10-Jul-07

* Sample data with an asterisk are not UKAS accredited.

Sample ID	Client ID	Concentration, (mg/l)					Aliphatics				
		Benzene	Toluene	Ethyl benzene	m/p-Xylene	o-Xylene	C5 - C6	>C6 - C7	>C7 - C8	>C8 - C10	Total GRO
* EX0727734	WS101	2.286	4.190	0.011	2.909	1.385	2.1	<0.1	<0.1	0.5	12.3
* EX0727735	WS102	1.115	0.017	<0.005	0.330	0.060	1.2	<0.1	0.1	0.2	2.9
* EX0727736	WS103	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
* EX0727737	WS104	<0.025	<0.025	<0.025	<0.025	<0.025	<0.5	<0.5	<0.5	<0.5	<0.5
* EX0727738	WS105	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
* EX0727739	WS106	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
* EX0727740	WS107	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
* EX0727741	E1	<0.005	<0.005	0.011	0.014	<0.005	<0.1	<0.1	<0.1	0.4	0.5
* EX0727742	E2	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
* EX0727743	E4	5.547	17928.700	2.998	14959.000	6.419	3.9	1.7	<0.5	<0.5	75.0
* EX0727744	E6	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
* EX0727745	BH4	<0.005	<0.005	<0.005	<0.005	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1

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:

Ground Investigation Ltd : Afan Way, Port Talbot

Job Number:

W07 5897

Separation:

Silica gel

QC Batch Number:

73357

Eluents:

Hexane, DCM

Directory:

E:\GC\TES\DATA\Y2007\1030TPH GC4\056B5901.D

Matrix:

Water

Date Booked in

18-Oct-07

Date Extracted

29-Oct-07

Date Analysed:

30-Oct-07

This sample data is not UKAS accredited.

Concentration, (%TPH) - as wet weight

[illegible]

ALIPHATIC / AROMATIC FRACTION BY GC/FID

Customer and Site Details:
Job Number:
QC Batch Number:
Directory:
Method:

Ground Investigation Ltd : Afan Way, Port Talbot
W07_5897
73357
E:\GC\TES\DATA\Y2007\1030TPH_GC4\095B5101.D
Separating Funnel

Separation:
Eluents:

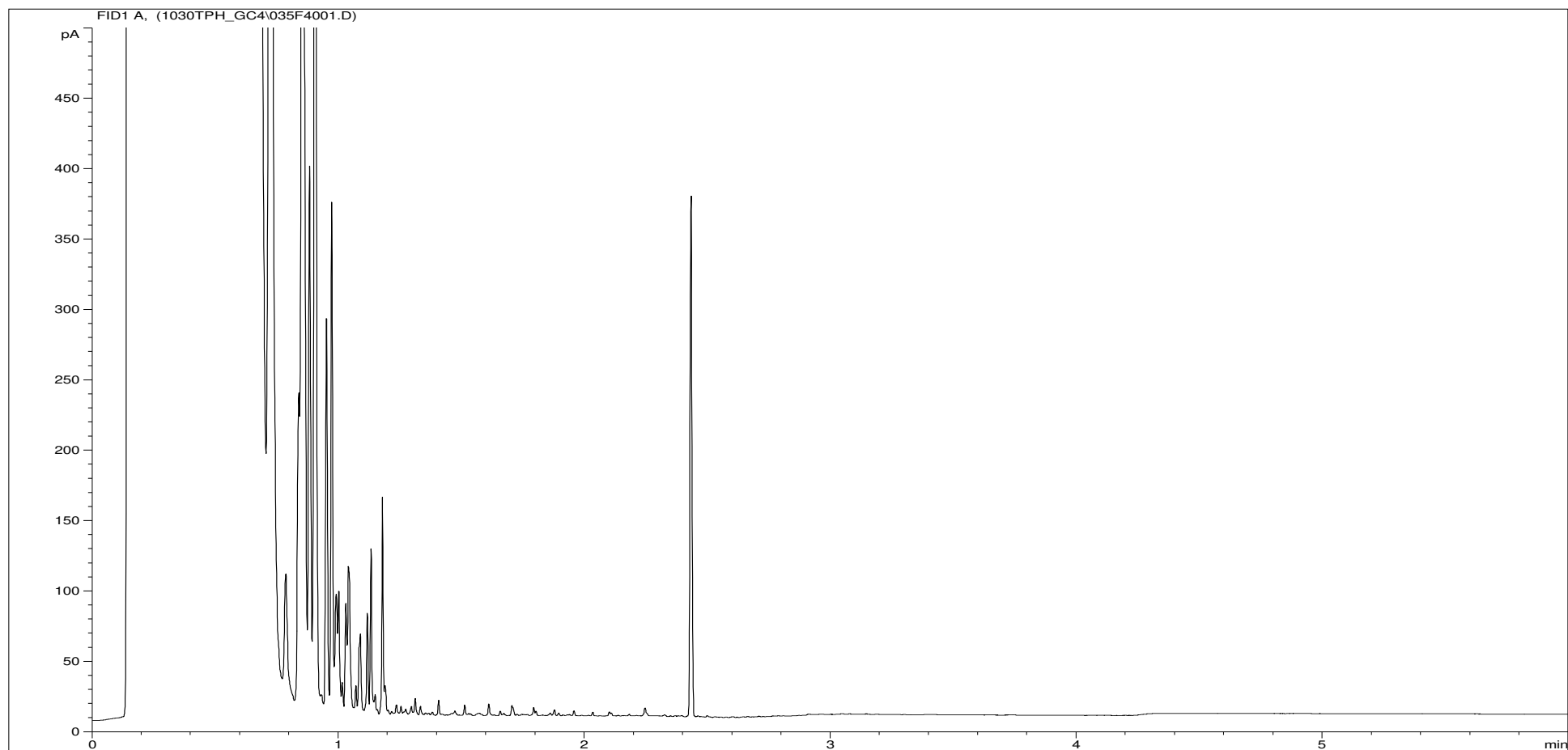
Silica gel
Hexane, DCM

Matrix:
Date Booked in
Date Extracted
Date Analysed

Water
18-Oct-07
23-Oct-07
30-Oct-07

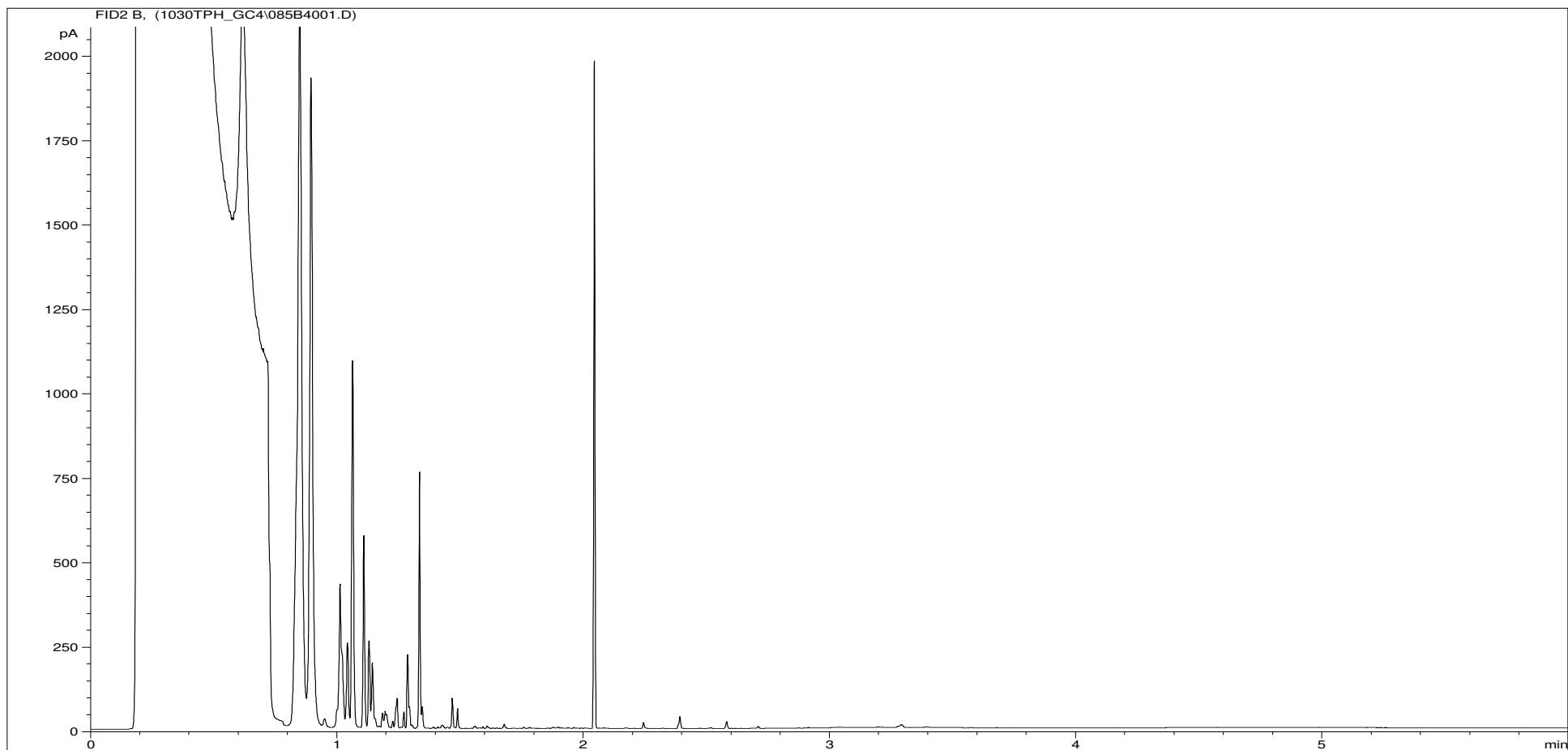
This sample data is not UKAS accredited.		Concentration, (mg/l)									
		>C8 - C10		>C10 - C12		>C12 - C16		>C16 - C21		>C21 - C35	
Sample ID	Client ID	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics	Aliphatics	Aromatics
EX0727734	WS101	0.107	0.0591	0.0426	0.0518	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EX0727735	WS102	0.0232	0.052	0.0114	0.0412	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EX0727736	WS103	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EX0727737	WS104	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EX0727738	WS105	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0145	0.0164
EX0727739	WS106	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0107	<0.01
EX0727740	WS107	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.0197	0.0117
EX0727741	E1	0.0963	<0.05	0.96	<0.05	8.48	0.686	8.58	1	1.12	0.218
* EX0727742	E2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EX0727744	E6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
EX0727745	BH4	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

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



Sample ID:	EX0727734ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS101
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\035F4001.D		

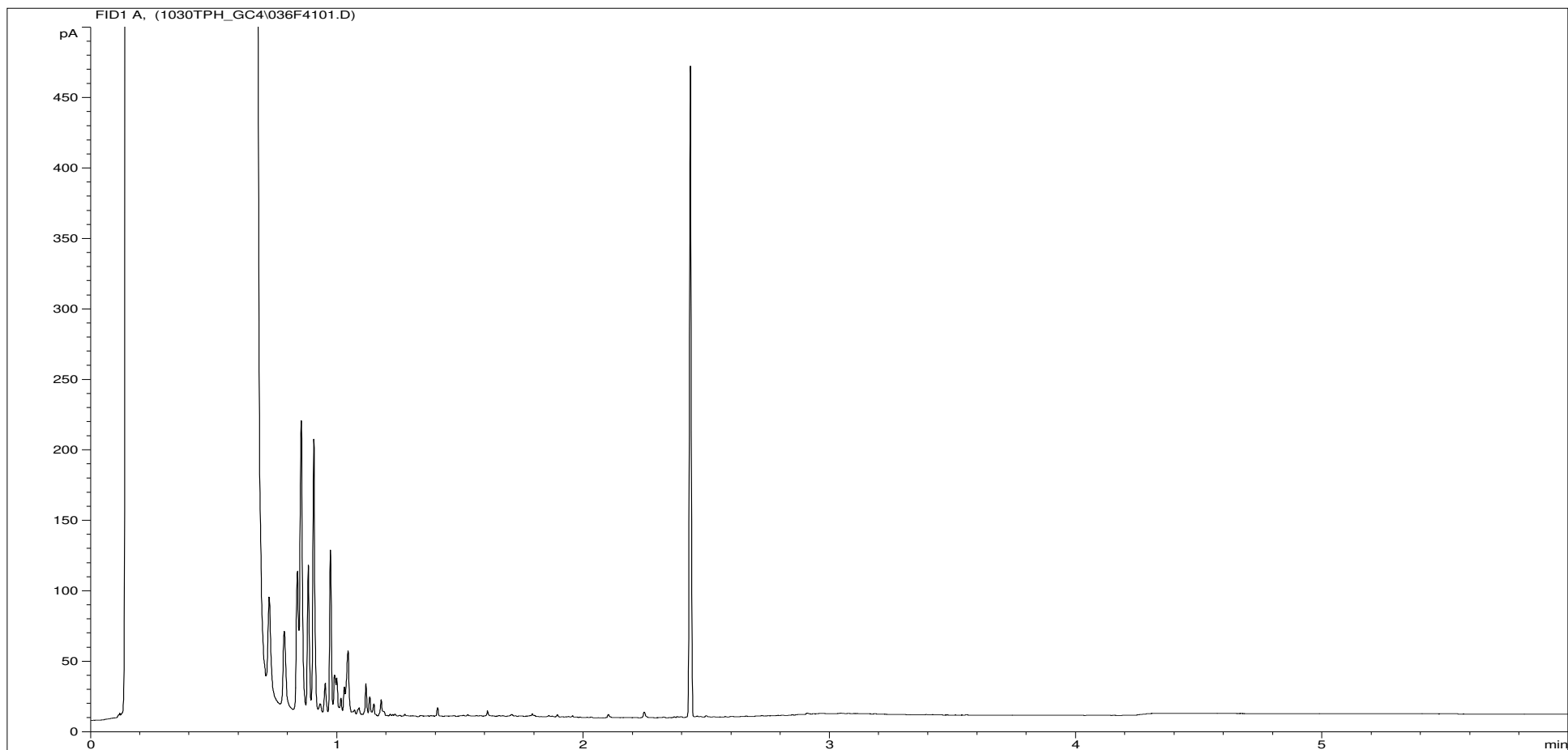
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: EX0727734ARO
Multiplier: 0.001
Dilution: 1
Acquisition Method: MAX_RUNF.M
Acquisition Date/Time: 30-Oct-07
Datafile: E:\GC\TES\DATA\Y2007\1030TPH_GC4\085B4001.D

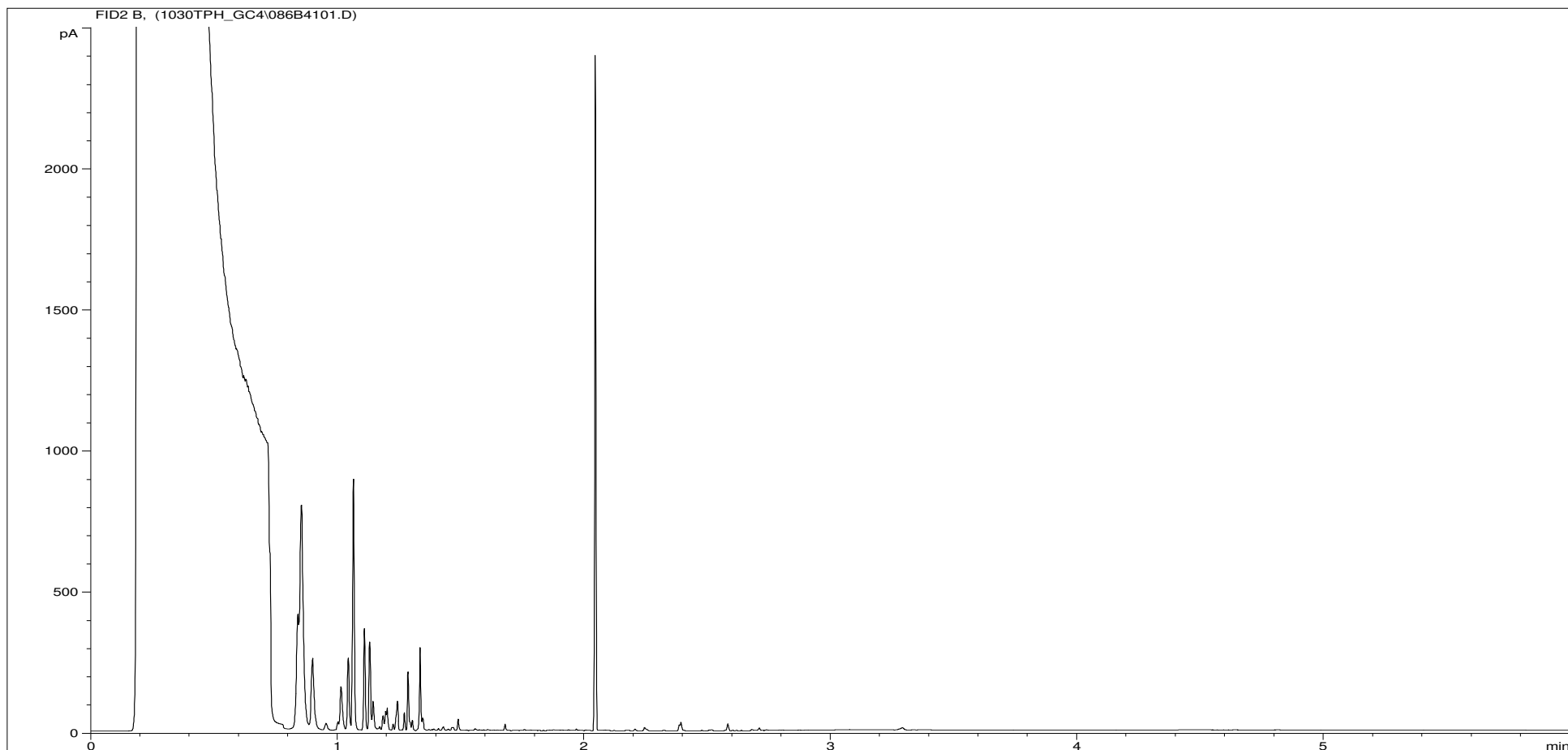
Job Number: W07_5897
Client: Ground Investigation Ltd
Site: Afan Way, Port Talbot
Client Sample Ref: WS101

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



Sample ID:	EX0727735ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS102
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\036F4101.D		

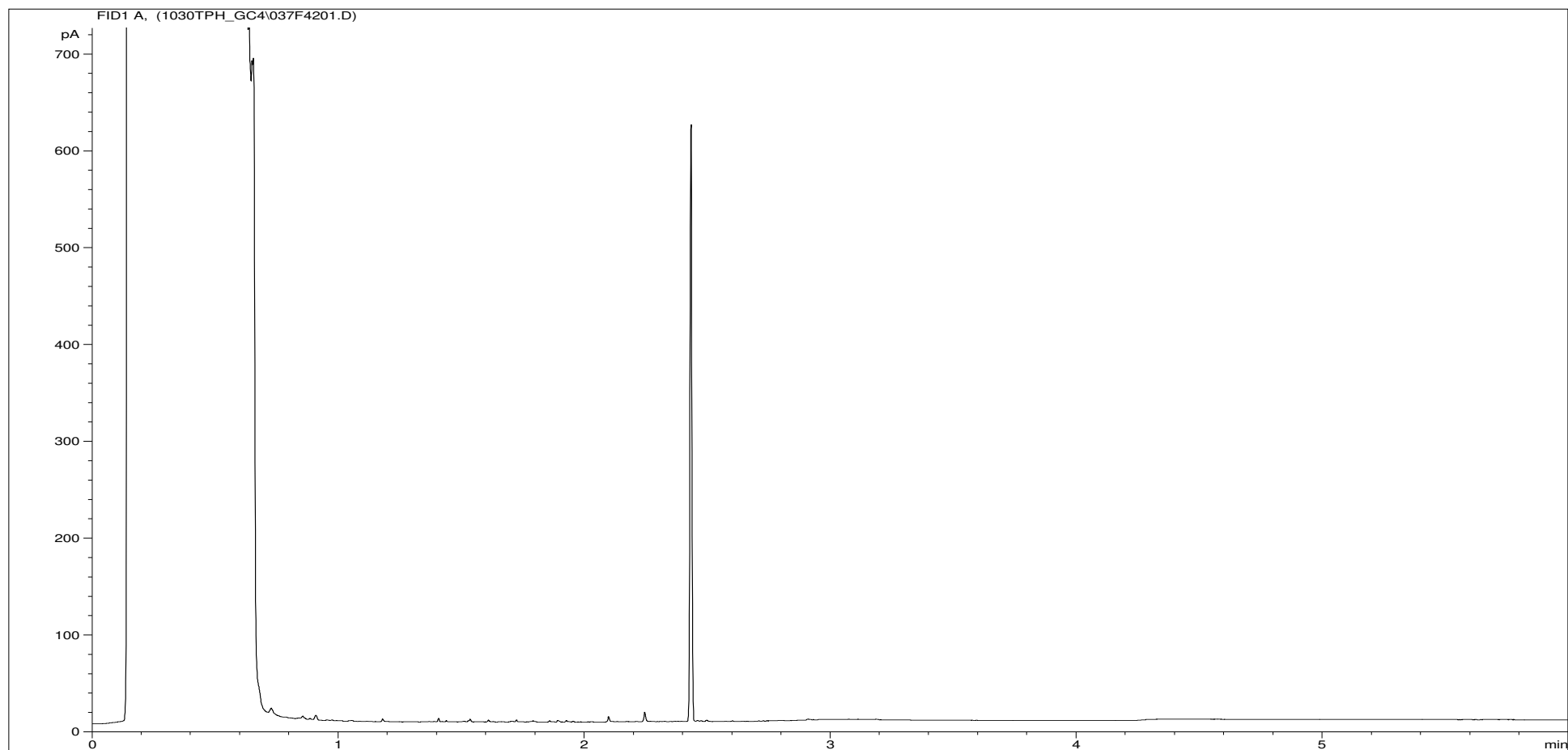
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: EX0727735ARO
Multiplier: 0.001
Dilution: 1
Acquisition Method: MAX_RUNF.M
Acquisition Date/Time: 30-Oct-07
Datafile: E:\GC\TES\DATA\Y2007\1030TPH_GC4\086B4101.D

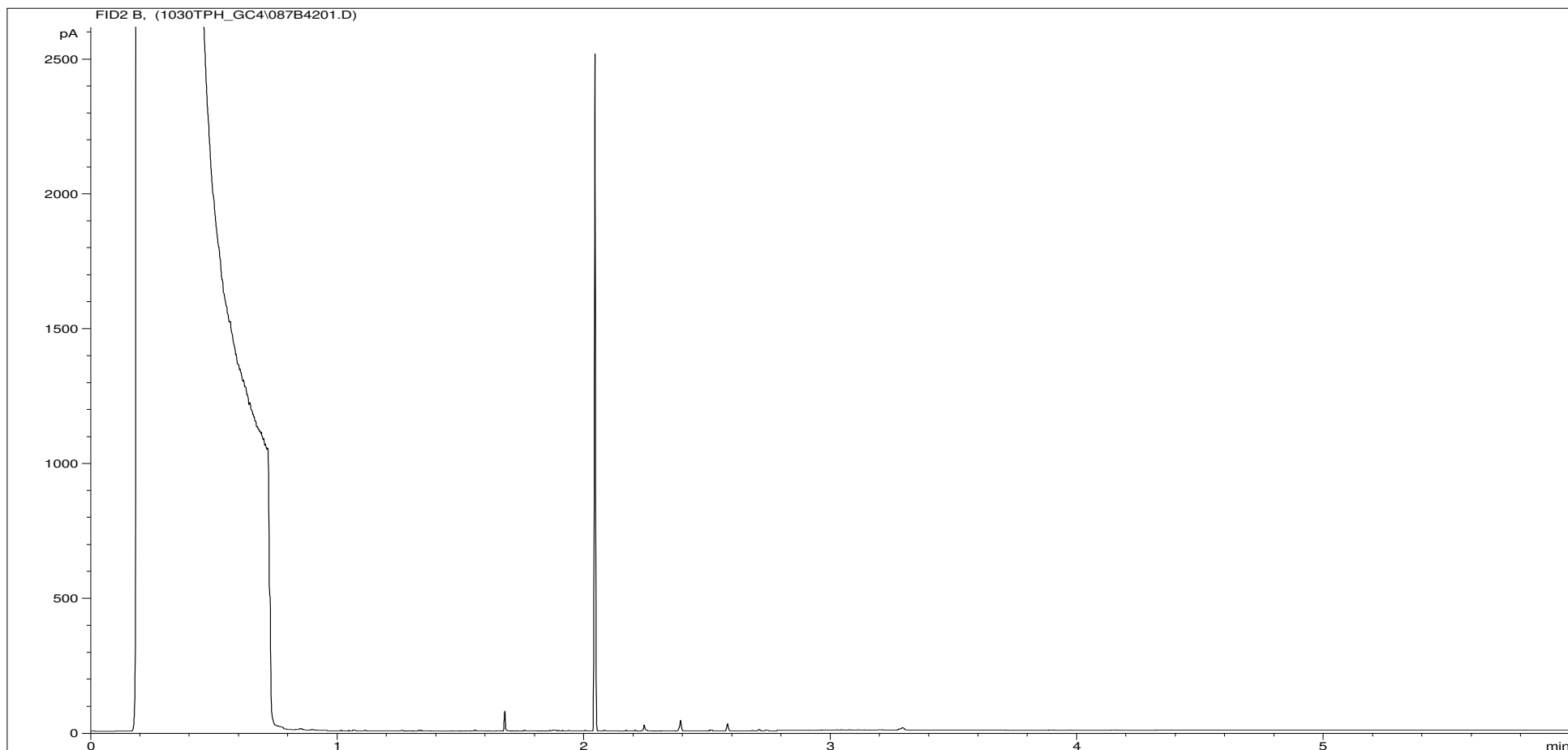
Job Number: W07_5897
Client: Ground Investigation Ltd
Site: Afan Way, Port Talbot
Client Sample Ref: WS102

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



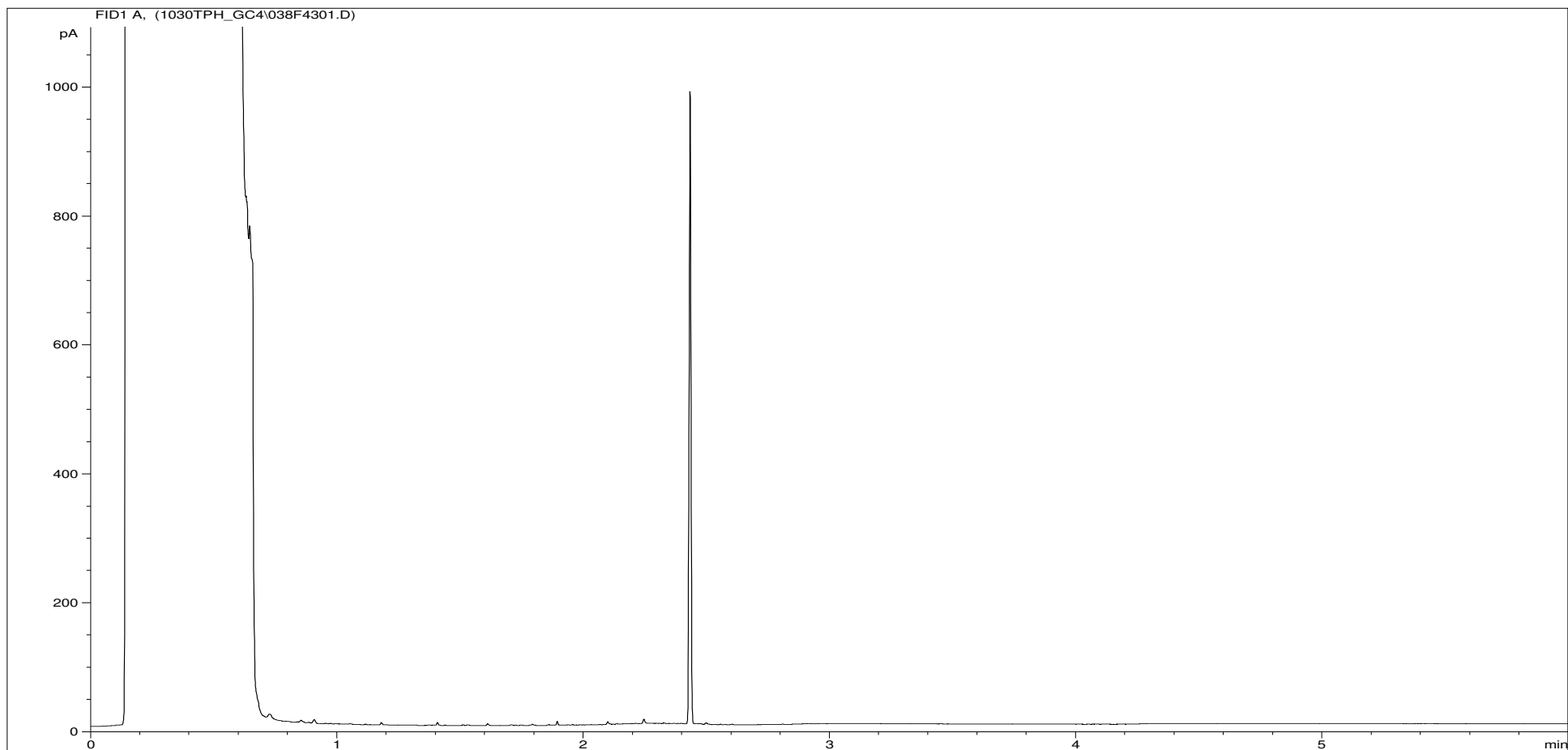
Sample ID:	EX0727736ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS103
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\037F4201.D		

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



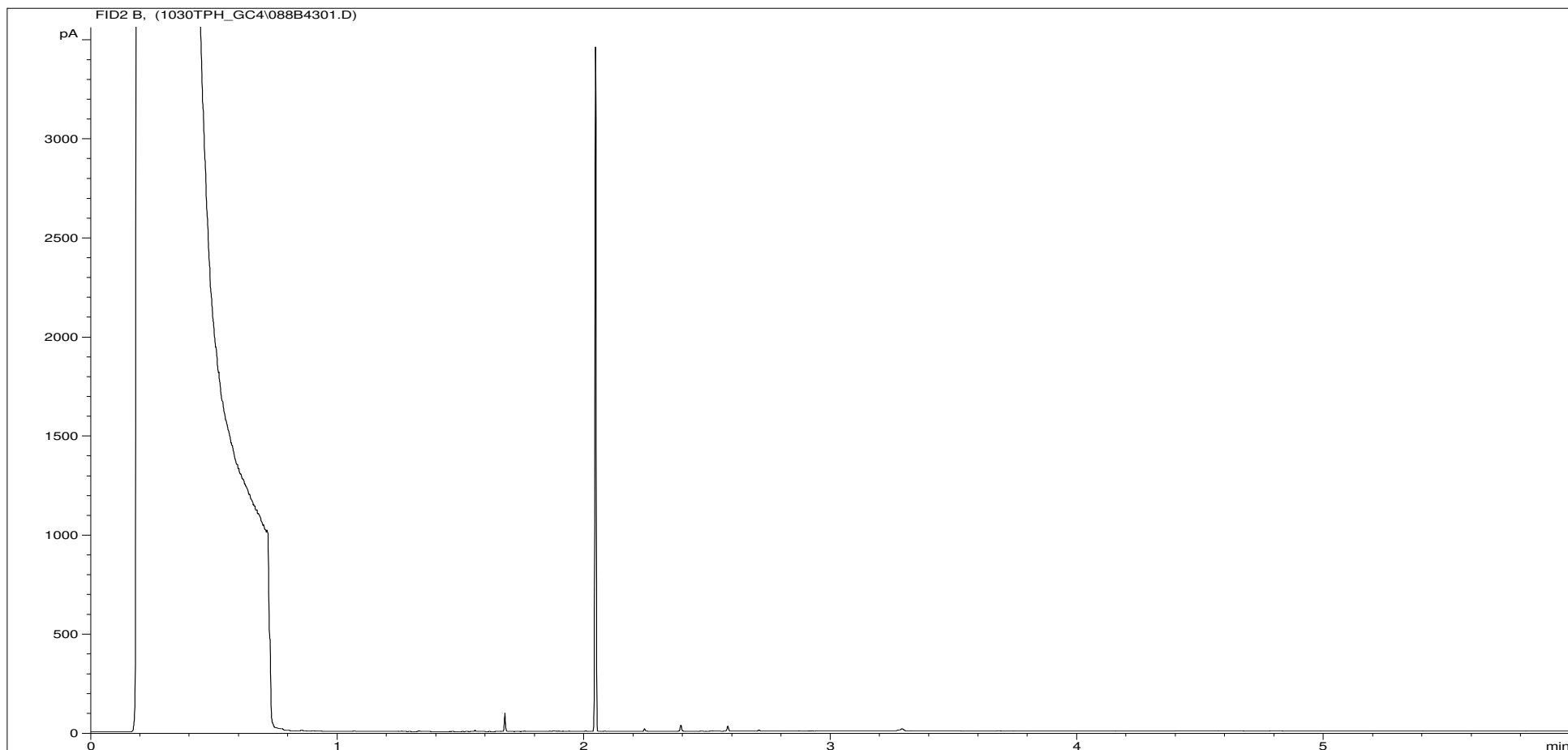
Sample ID:	EX0727736ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS103
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\087B4201.D		

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



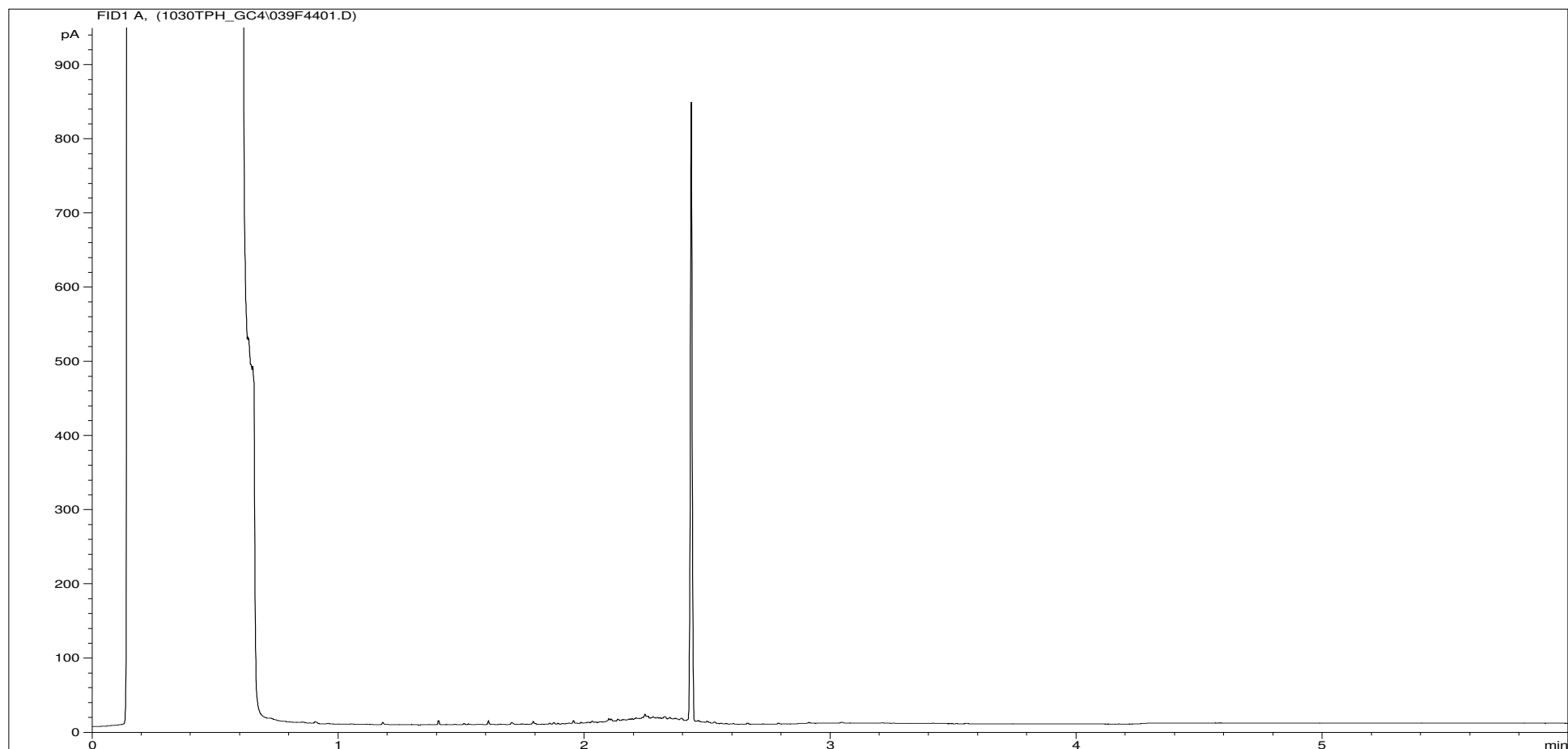
Sample ID:	EX0727737ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS104
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\038F4301.D		

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



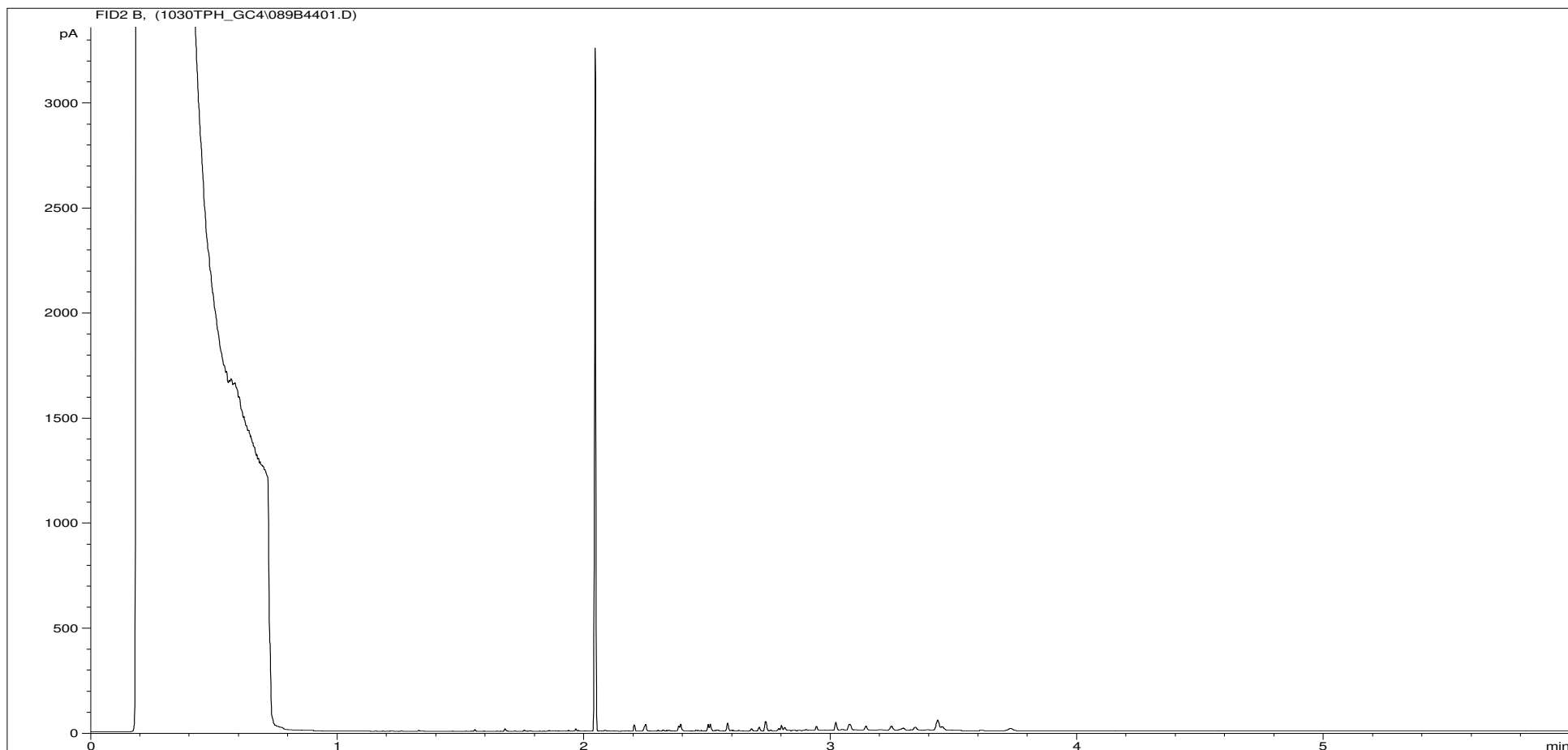
Sample ID:	EX0727737ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS104
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\088B4301.D		

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



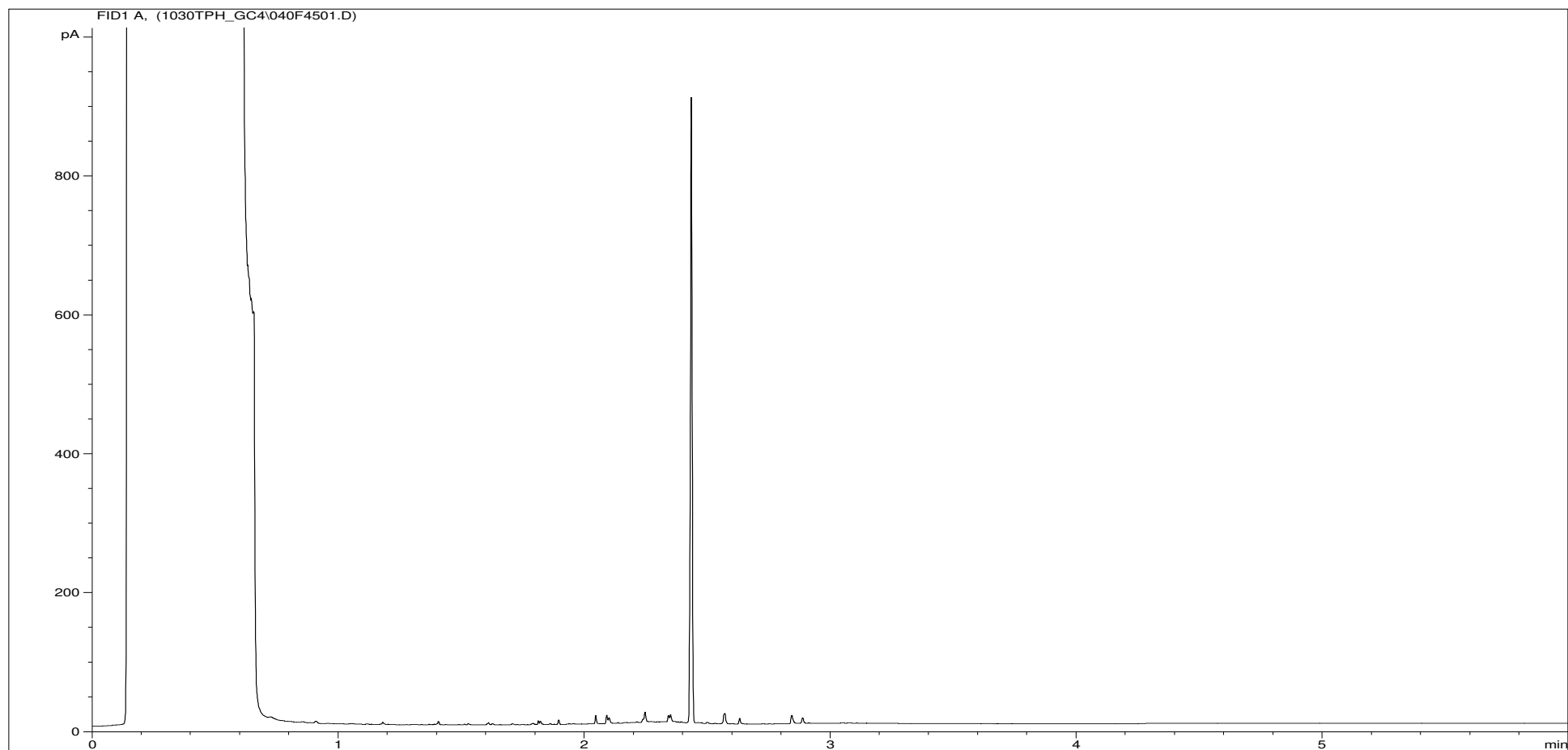
Sample ID:	EX0727738ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS105
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\039F4401.D		

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



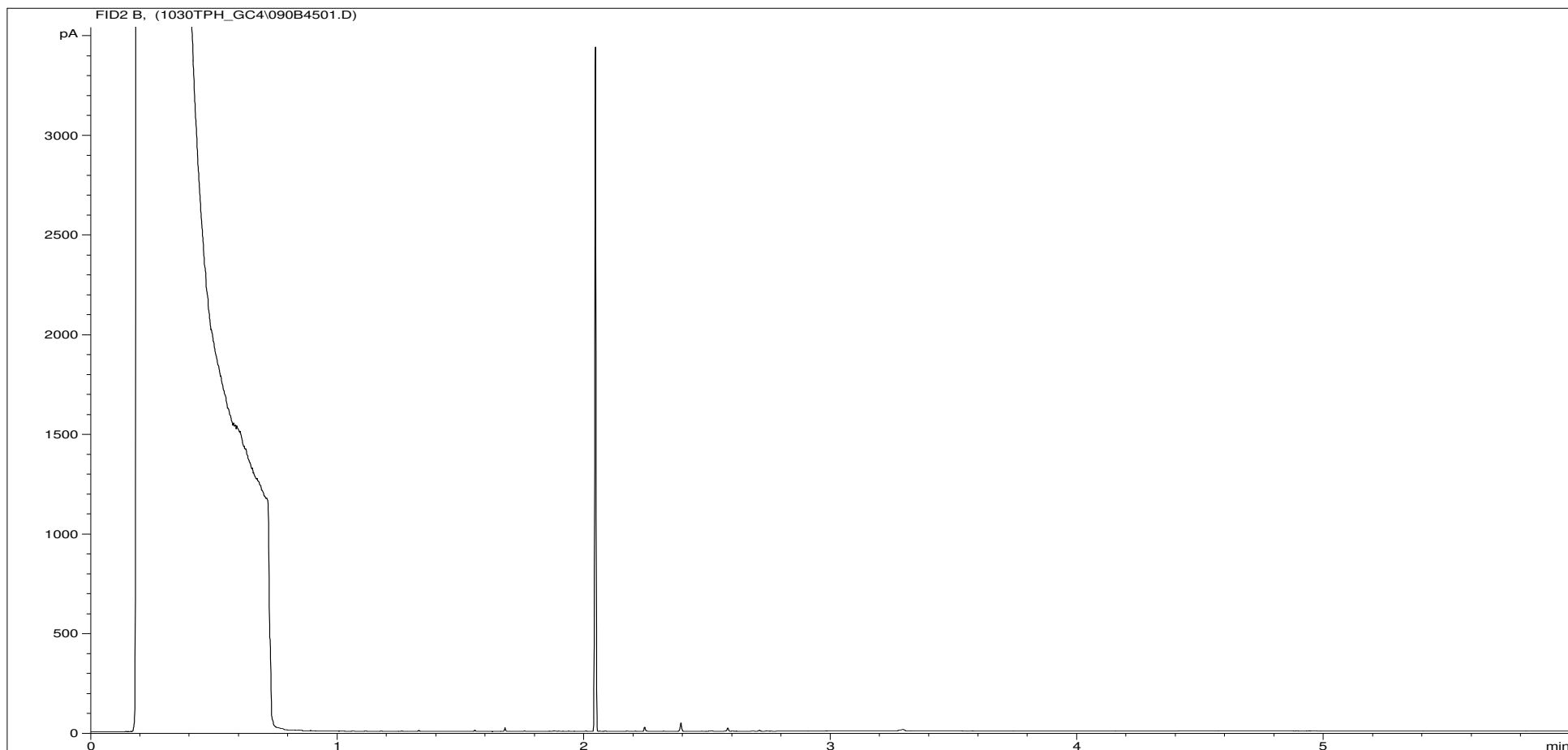
Sample ID:	EX0727738ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS105
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\089B4401.D		

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



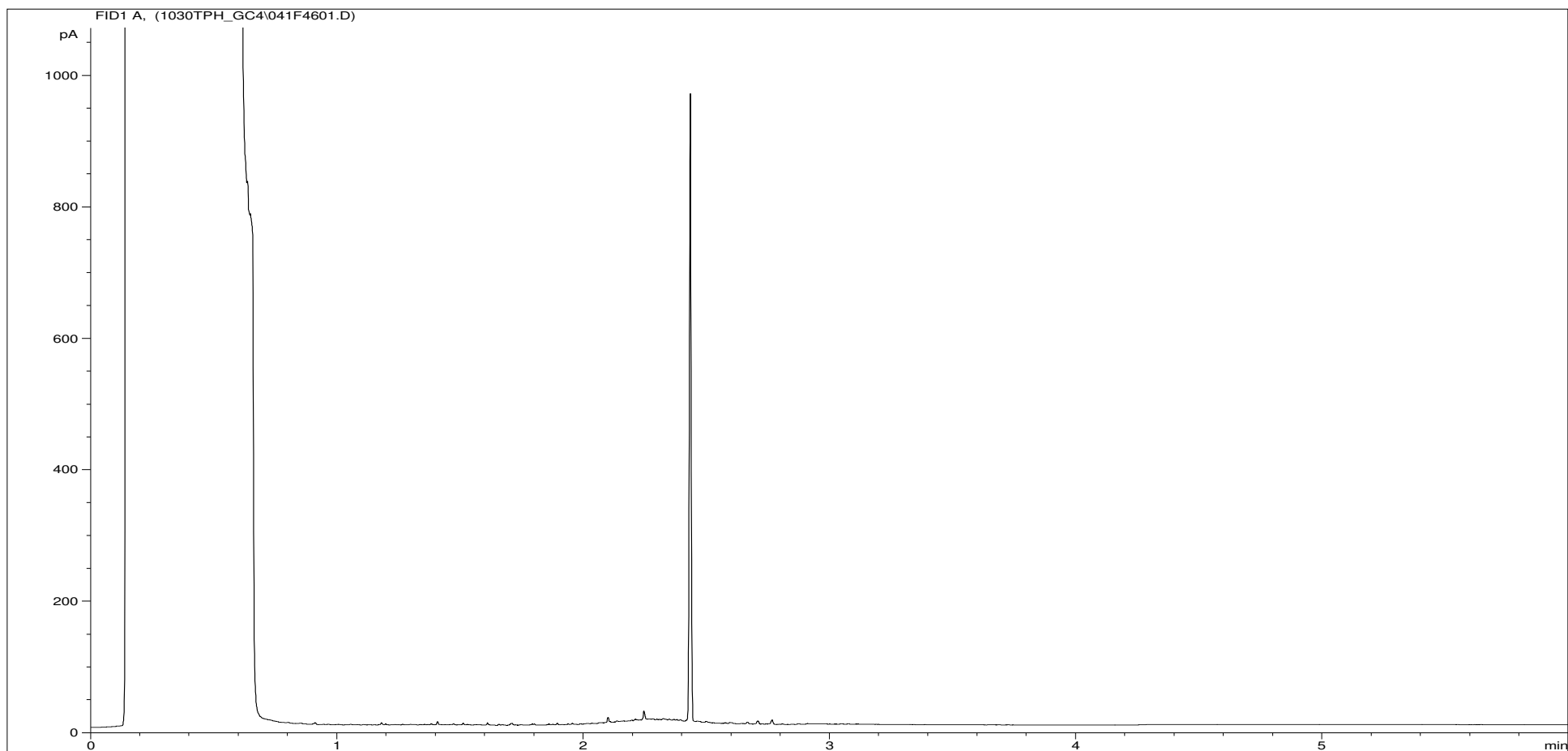
Sample ID:	EX0727739ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS106
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\040F4501.D		

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



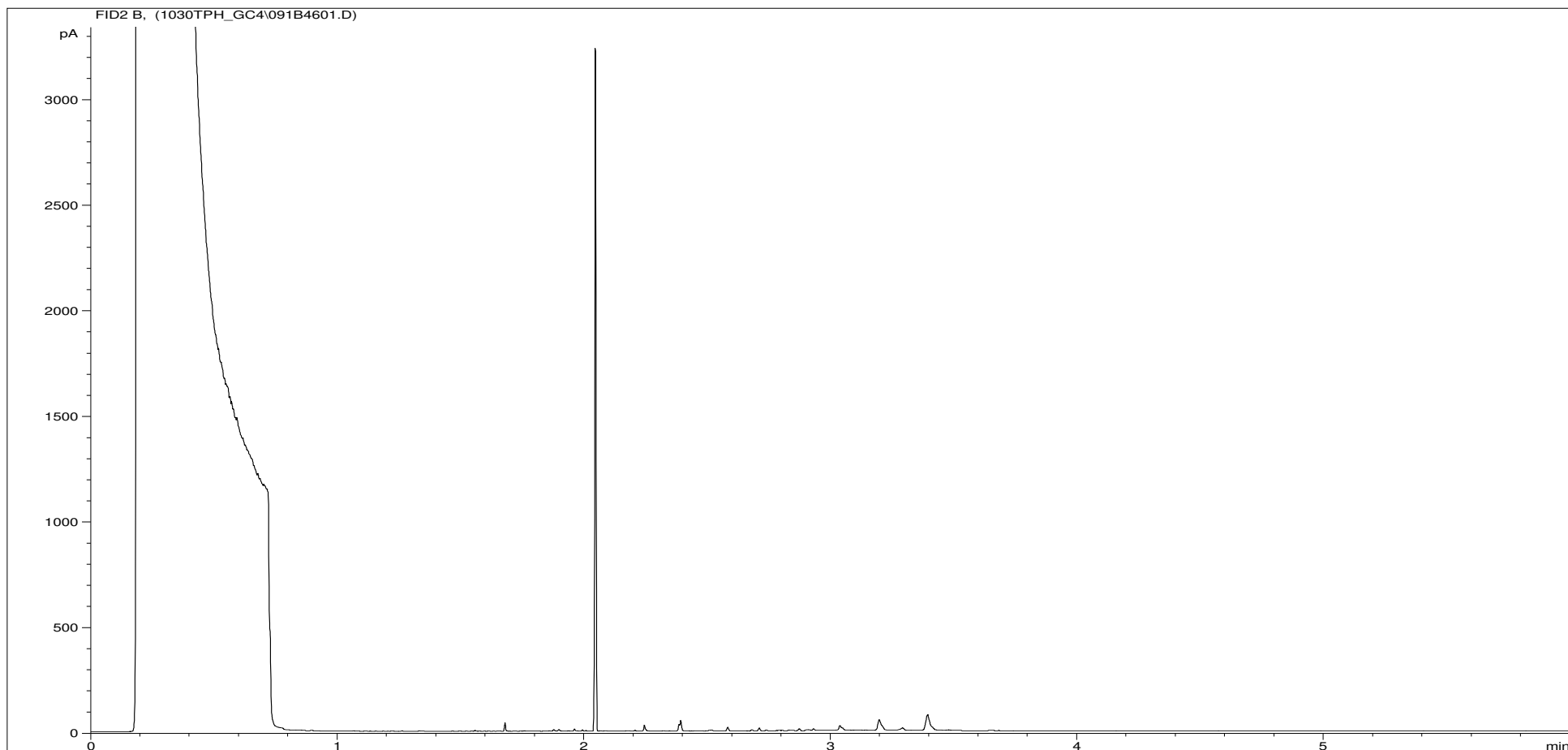
Sample ID:	EX0727739ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS106
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\090B4501.D		

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



Sample ID:	EX0727740ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	WS107
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\041F4601.D		

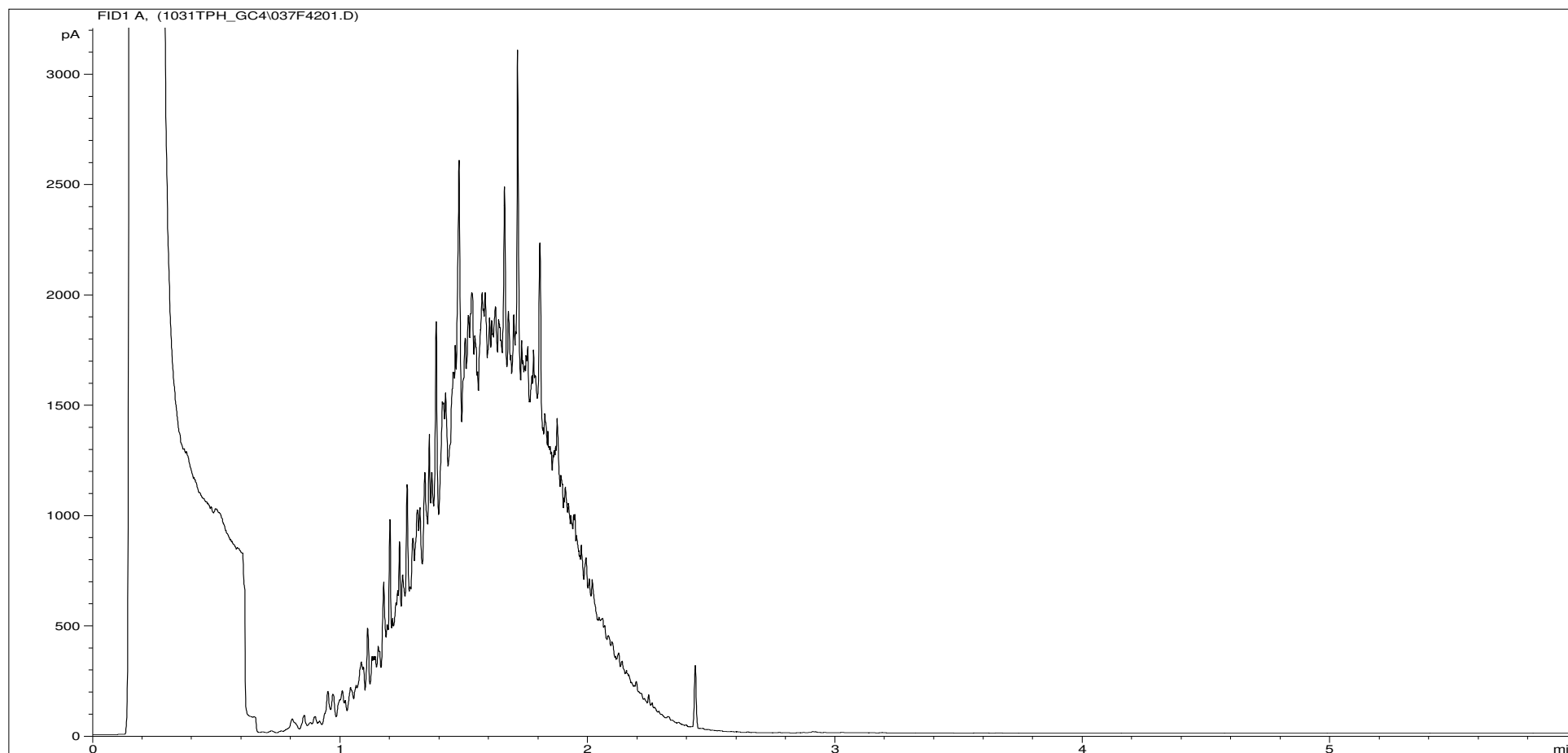
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: EX0727740ARO
Multiplier: 0.001
Dilution: 1
Acquisition Method: MAX_RUNF.M
Acquisition Date/Time: 30-Oct-07
Datafile: E:\GC\TES\DATA\Y2007\1030TPH_GC4\091B4601.D

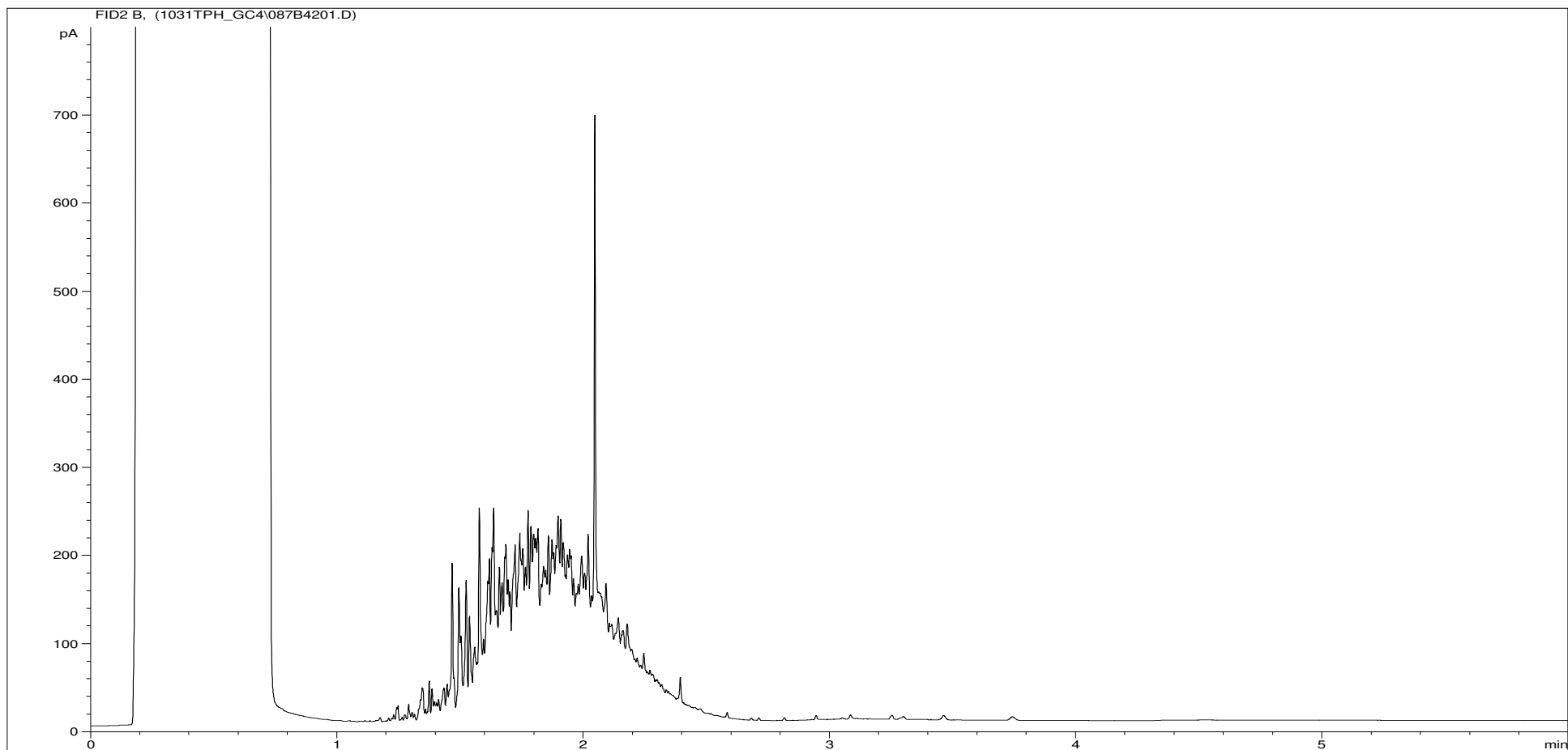
Job Number: W07_5897
Client: Ground Investigation Ltd
Site: Afan Way, Port Talbot
Client Sample Ref: WS107

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



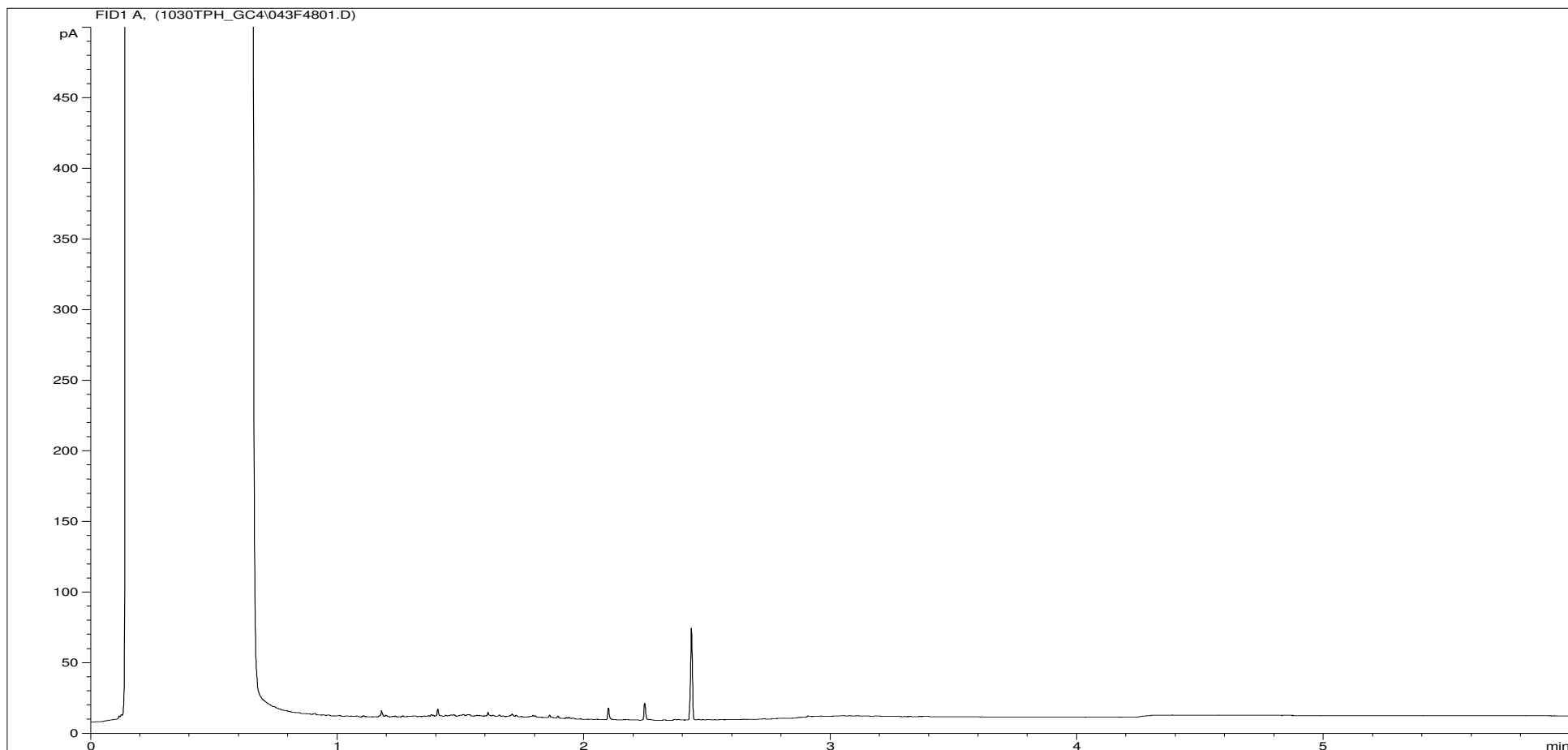
Sample ID:	EX0727741ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	5	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	E1
Acquisition Date/Time:	31-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1031TPH_GC4\037F4201.D		

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



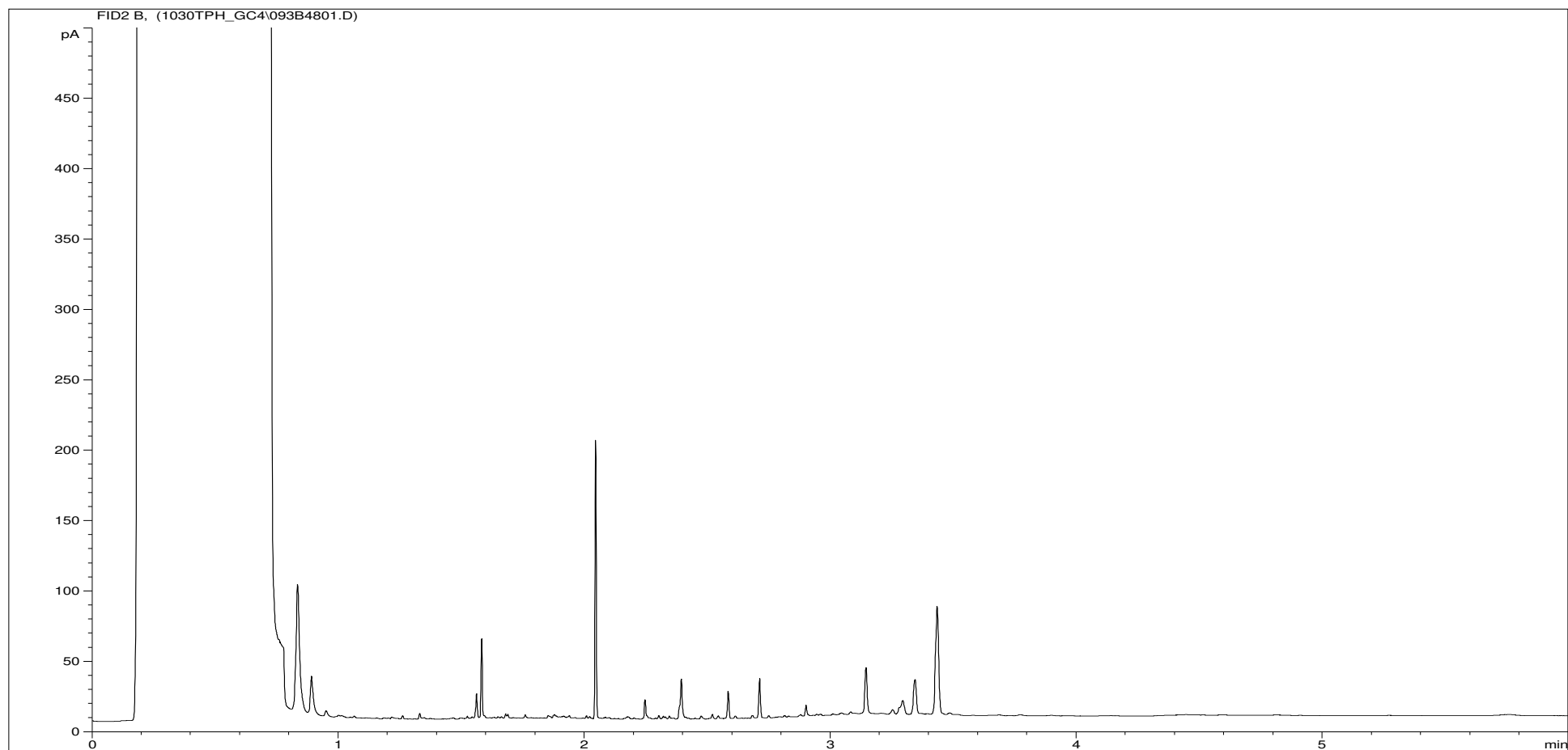
Sample ID:	EX0727741ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	5	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	E1
Acquisition Date/Time:	31-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1031TPH_GC4\087B4201.D		

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



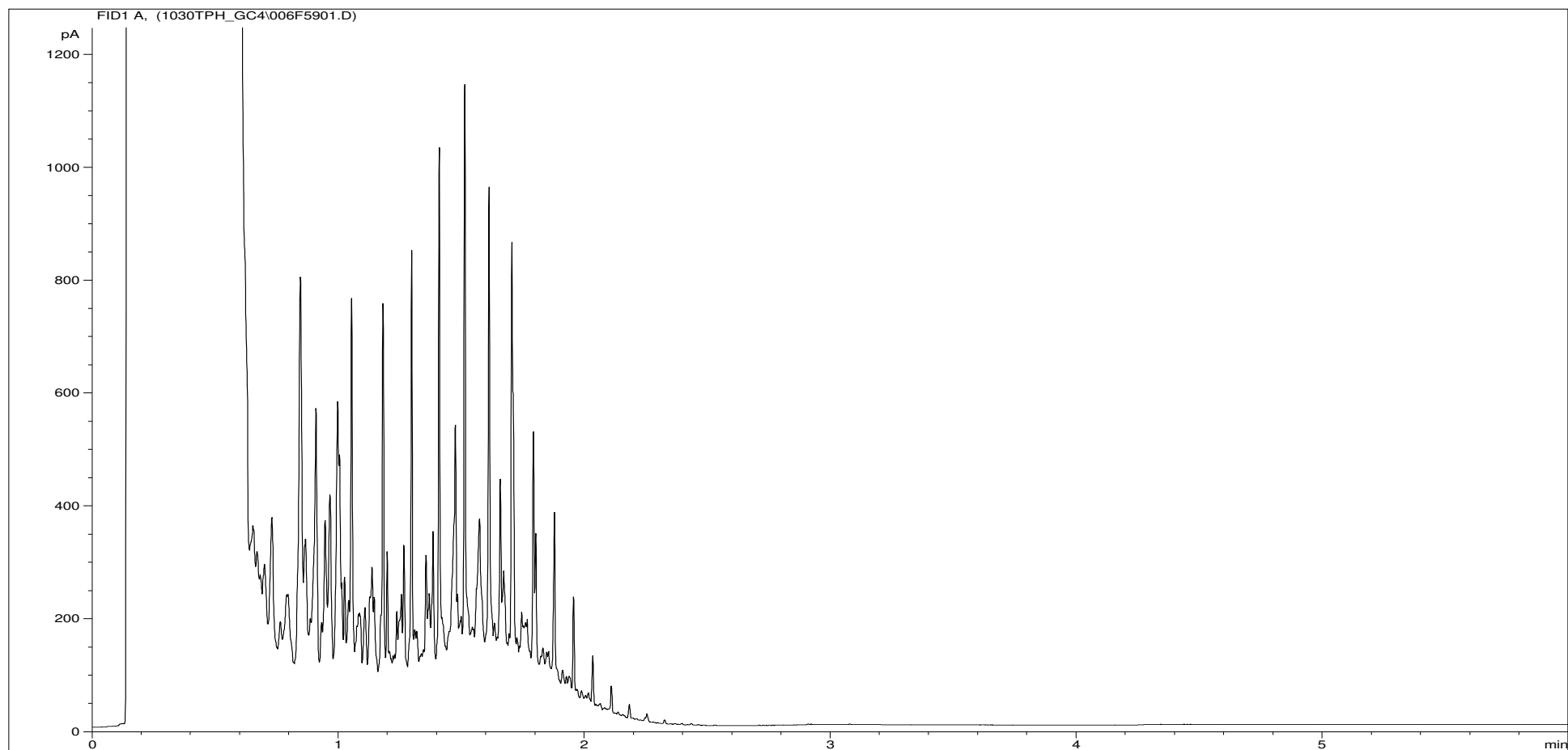
Sample ID:	EX0727742ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	E2
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\043F4801.D		

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



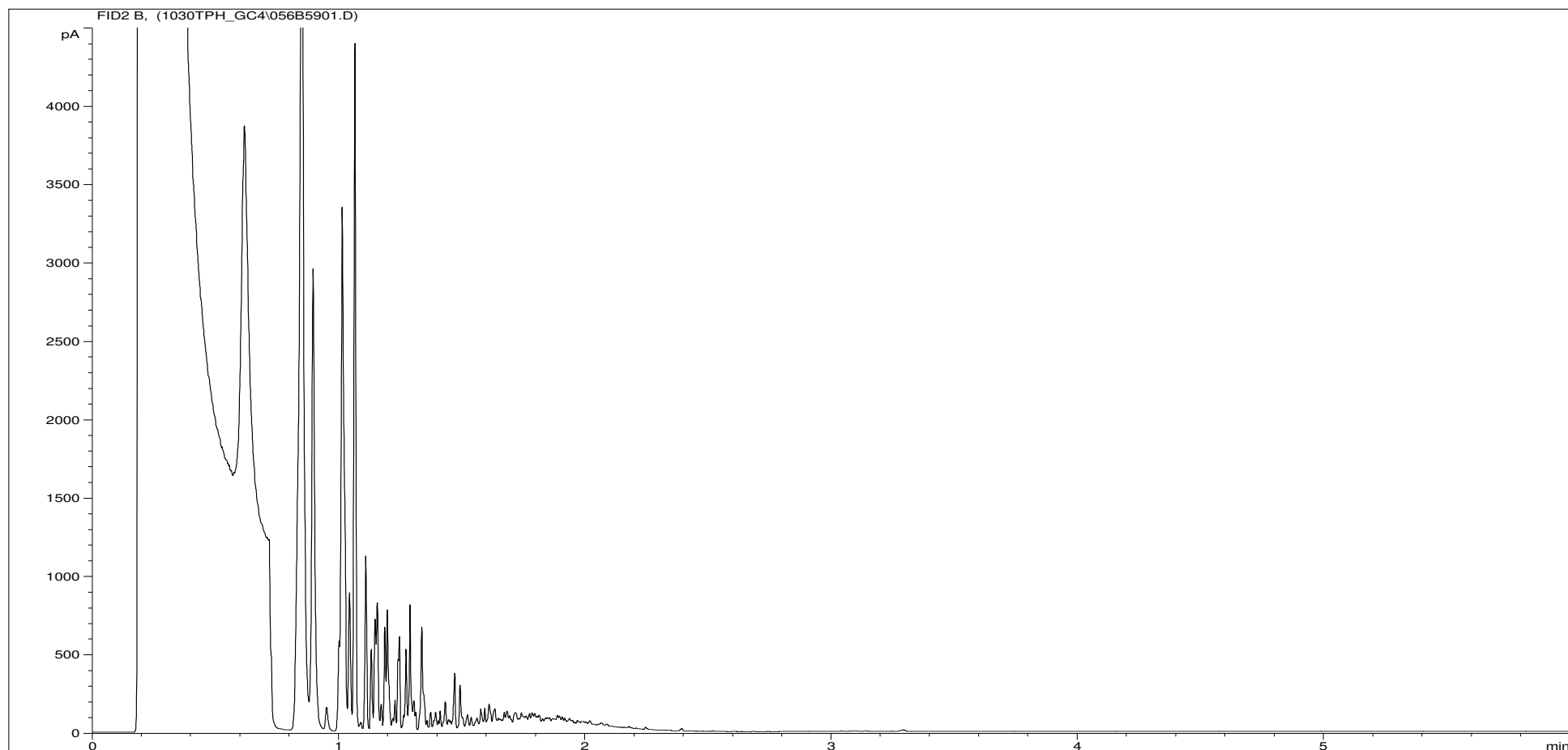
Sample ID:	EX0727742ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	E2
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\093B4801.D		

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



Sample ID:	EX0727743ALI	Job Number:	W07_5897
Multiplier:	4	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	E4
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\006F5901.D		

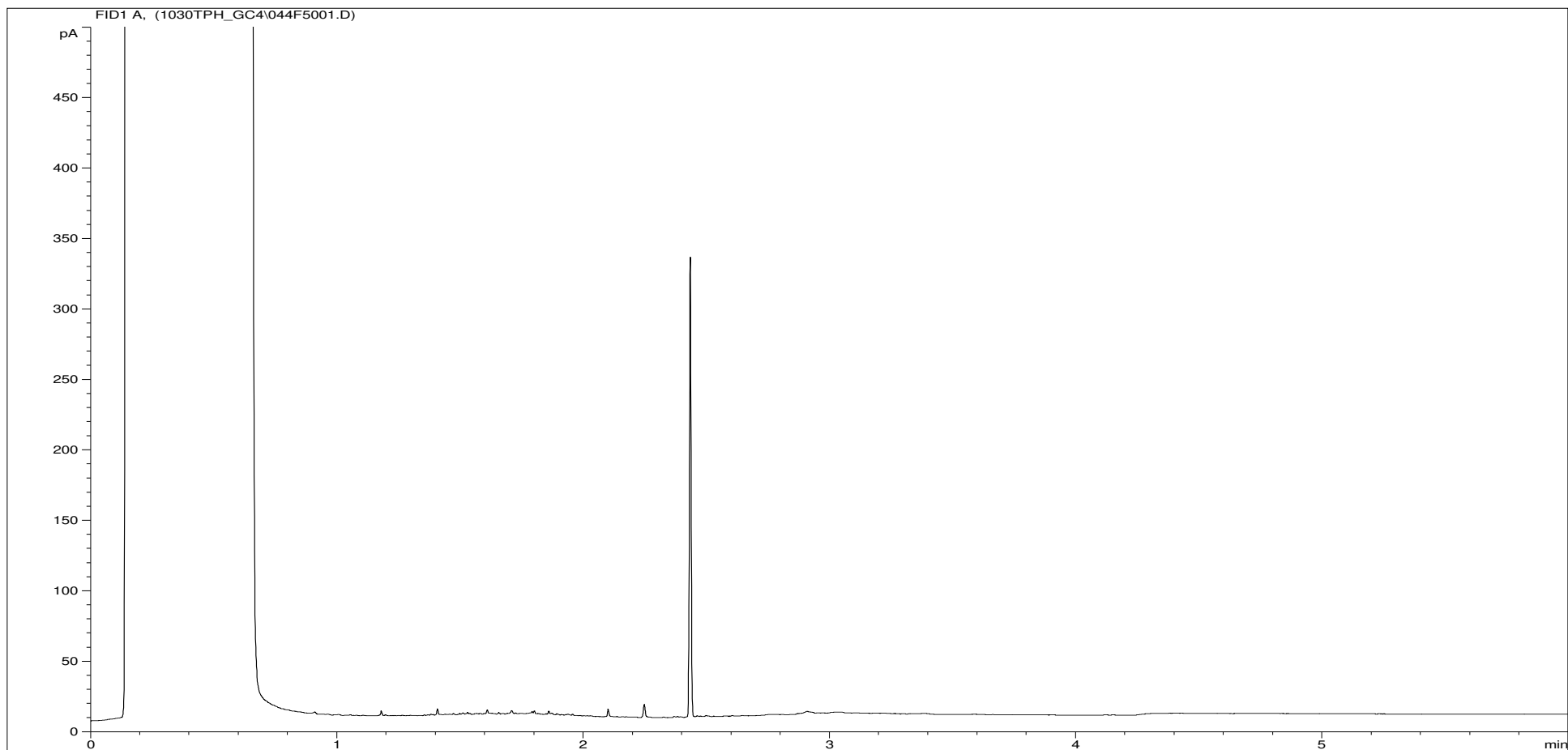
Petroleum Hydrocarbons (C8 to C40) by GC/FID Aromatics Fraction.



Sample ID: EX0727743ARO
Multiplier: 4
Dilution: 1
Acquisition Method: MAX_RUNF.M
Acquisition Date/Time: 30-Oct-07
Datafile: E:\GC\TES\DATA\Y2007\1030TPH_GC4\056B5901.D

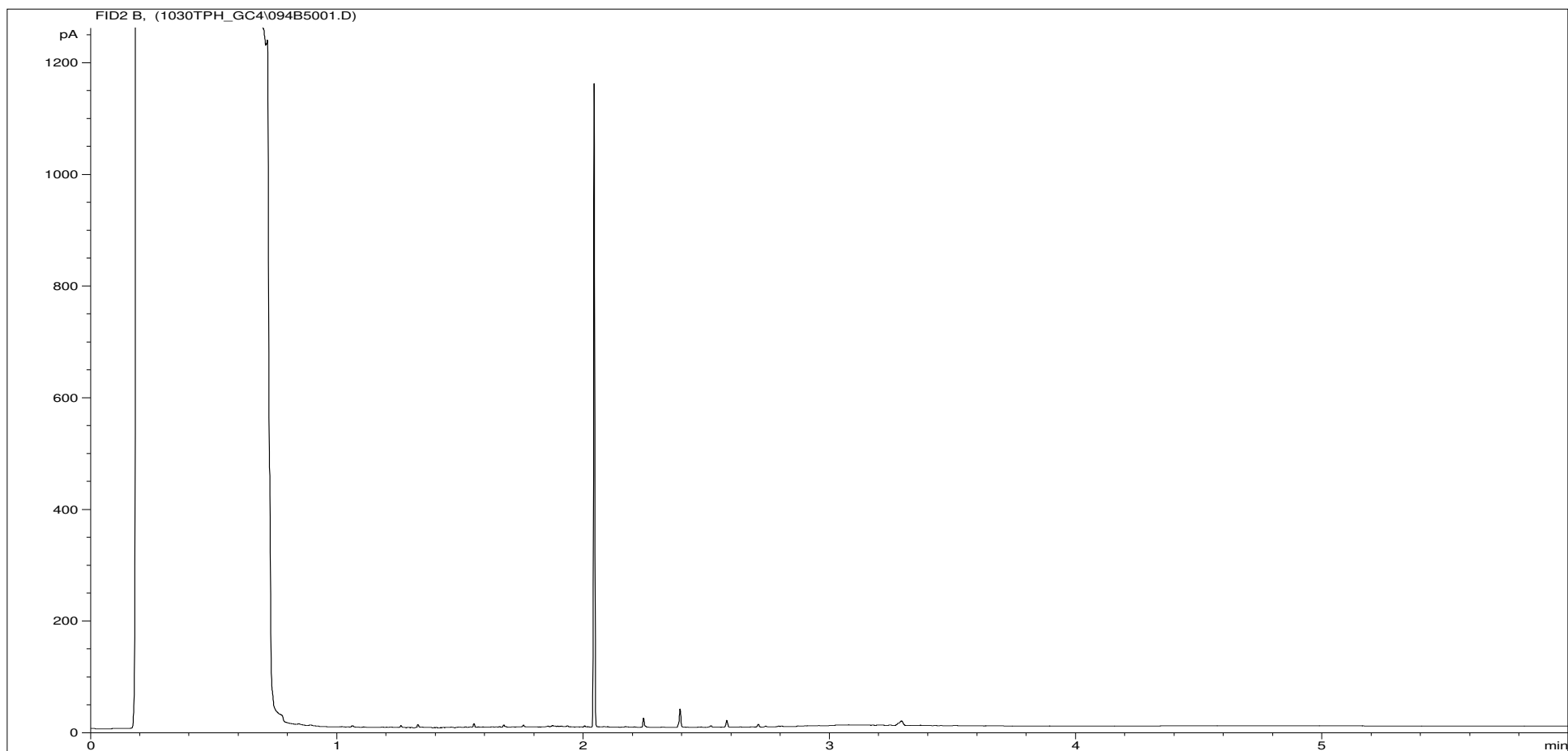
Job Number: W07_5897
Client: Ground Investigation Ltd
Site: Afan Way, Port Talbot
Client Sample Ref: E4

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



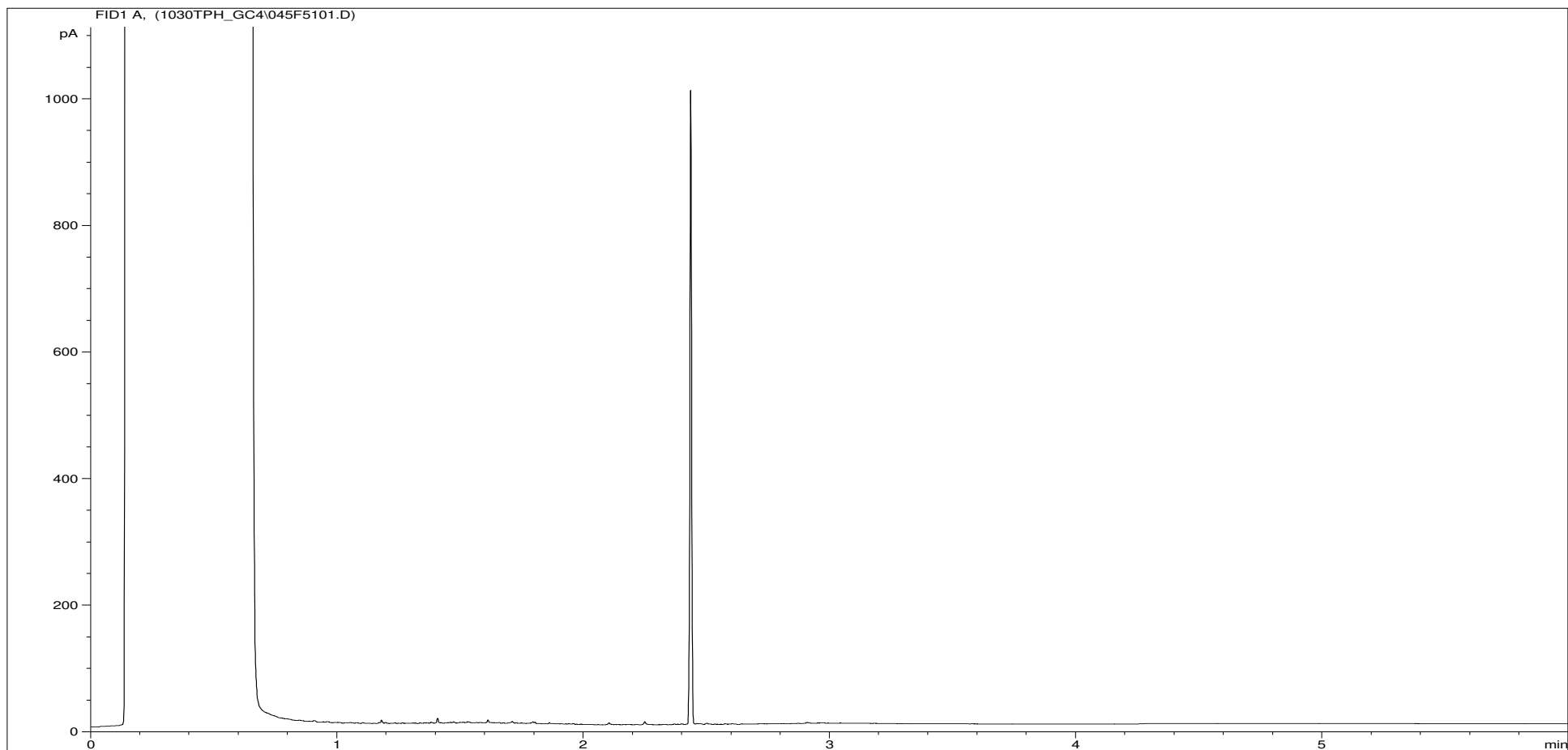
Sample ID:	EX0727744ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	E6
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\044F5001.D		

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



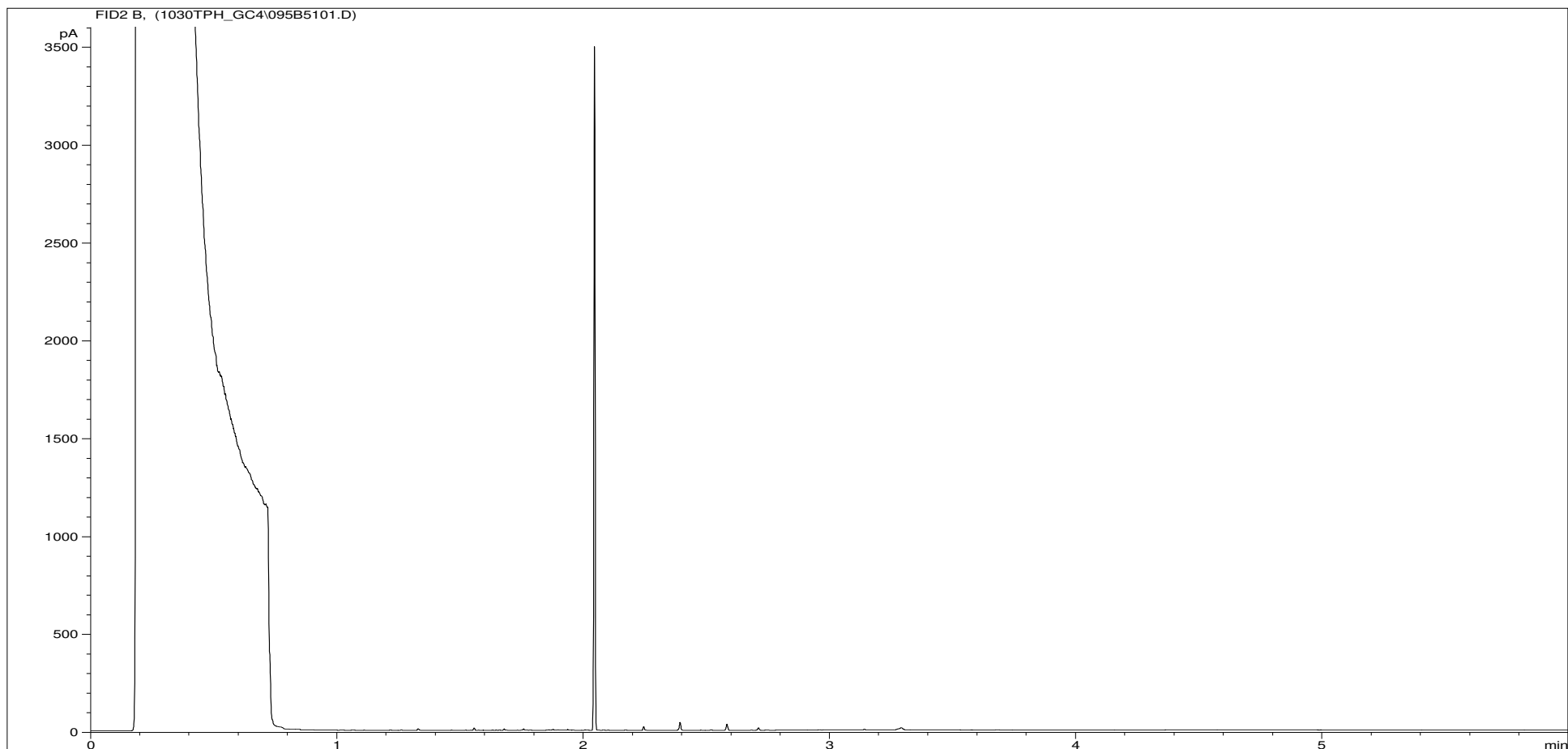
Sample ID:	EX0727744ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	E6
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\094B5001.D		

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



Sample ID:	EX0727745ALI	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH4
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\045F5101.D		

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



Sample ID:	EX0727745ARO	Job Number:	W07_5897
Multiplier:	0.001	Client:	Ground Investigation Ltd
Dilution:	1	Site:	Afan Way, Port Talbot
Acquisition Method:	MAX_RUNF.M	Client Sample Ref:	BH4
Acquisition Date/Time:	30-Oct-07		
Datafile:	E:\GC\TES\DATA\Y2007\1030TPH_GC4\095B5101.D		

Report Notes

Soil/Solid analysis specific:

Results expressed as mg/kg on an air dried basis unless stated otherwise
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

APPENDIX I

Contamination Remediation Report (Lee Remediation, 2008)

SUPPORTING INFO OTHER 3D006E



TYPE THE TITLE OF THE DOC IN THE TITLE FIELD

Soils & Groundwater
Remediation Professionals



Ground Contamination Risks and Remediation Requirements

relating to the

**Former Petrol Filling Station at
Afan Way, Port Talbot**

for

JEHU Project Services

LEE Remediation Limited
Innovation Centre
Longbridge Technology Park
1 Devon Way
Birmingham
B31 2TS

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<http://www.leegroupuk.com>

Registered in England, registered
office: LEE Remediation Ltd, Norfolk
Road, Gravesend, DA12 2RX,
Reg No: 6207126



Document Control

Document Title: Ground Contamination Risks and Remediation Requirements – Afan Way

Document Reference Number: R080022 #1 QRA

Document Issue Date: 18 July 2008

Prepared by: Steve McPartlin
Director - LEE Remediation Ltd

Checked and Authorised by: Jez Ransford
Managing Director - LEE Remediation Ltd