



GC/MS Aromatics Report

Well: 021/17-03

Field: Wagtail

Country: United Kingdom



This Report has been prepared by Shell in connection with its own internal evaluations and decision-making processes. Shell, its affiliates and each of their respective officers, employees and representatives make no representation or warranty whatsoever as to the accuracy or completeness of the information contained herein, and expressly disclaim any and all liability based on or relating to any information contained in, or errors or omissions from, this Report or based on or relating to the use of this Report. Shell will not enter into any correspondence relating to the contents of this Report.

Copyright Shell Global Solutions International, B.V. 2017.
Shell Global Solutions International B.V., Rijswijk.

GC/MS aromatics data report

FPC_317719

Sample information

Sample ID	FPC_317719	Depth (ft)	8890.0 - 8938.0
Sample type	Oil	Formation	-
Country	United Kingdom	Age	-
Basin	Western Platform	Reservoir	-
Prospect	-	Sample date	-
Block	021/17	Sample origin	PROD
Field	Wagtail	Operator	VENTURE
Well name	021/17-03	Int. std. D10-Phenanthrene (ppm)	83
Well code	FPCW_55144		
Latitude	57.449923		
Longitude	0.354883		

Peak Data Table

FPC_317719

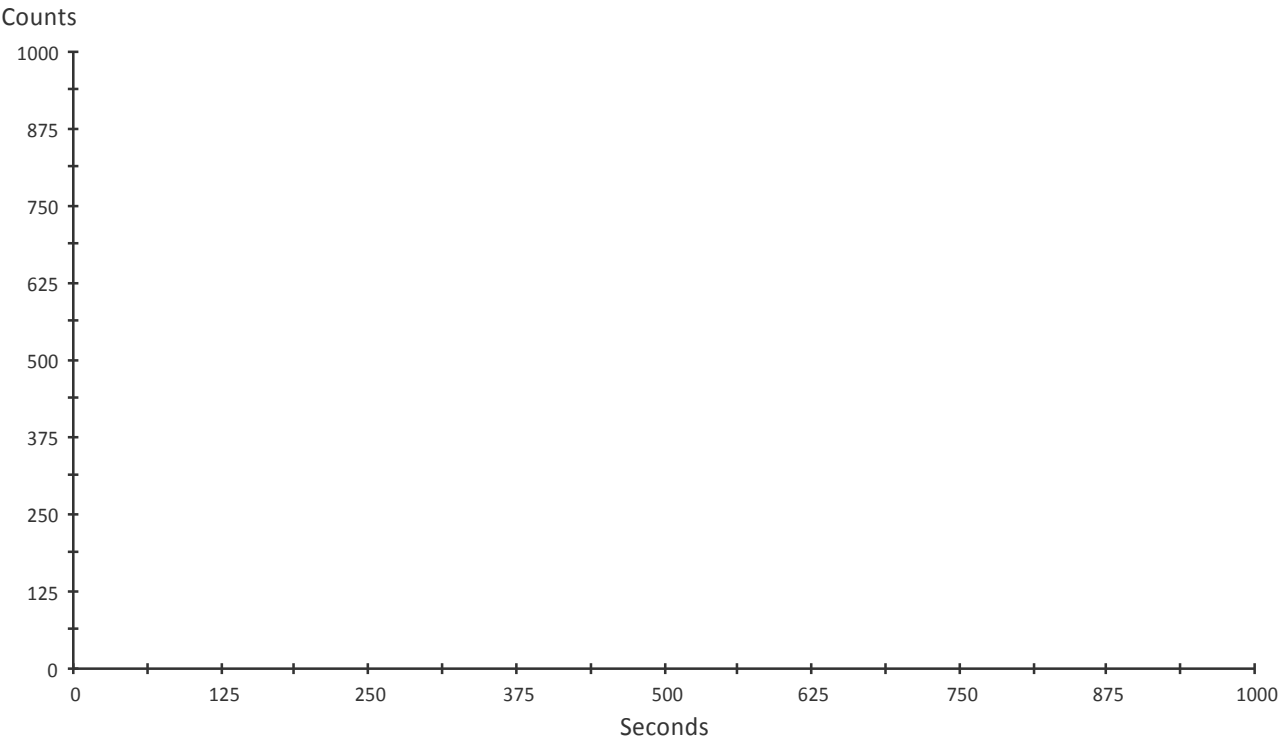
Peak name	Ion	Area
2,3,6_TMB_C15arylisprenoid	134.10	-
2,3,6_TMB_C16arylisprenoid	134.10	-
2,3,6_TMB_C17arylisprenoid	134.10	-
2,3,6_TMB_C18arylisprenoid	134.10	-
2,3,6_TMB_C19arylisprenoid	134.10	-
2,3,6_TMB_C20arylisprenoid	134.10	-
2,3,6_TMB_C21arylisprenoid	134.10	-
2,3,6_TMB_C22Barylisprenoid	134.10	-
2,3,6_TMB_C23arylisprenoid	134.10	-
2-methylnaphtalene	142.10	378763.81
1-methylnaphtalene	142.10	509703.38
2,6-dimethylnaphthalene	156.10	94716.54
2,7-dimethylnaphthalene	156.10	97463.36
1,3+1,7-dimethylnaphthalene	156.10	325532.81
1,6-dimethylnaphthalene	156.10	288214.31
1,5-dimethylnaphthalene	156.10	126290.88
2,3-dimethylnaphthalene	156.10	155283.77
1,2-dimethylnaphthalene	156.10	126304.94
1,3,7-trimethylnaphthalene	170.10	129611.84
1,3,6-trimethylnaphthalene	170.10	167538.56
1,3,5+1,4,6-trimethylnaphthalene	170.10	165685.00
2,3,6-trimethylnaphthalene	170.10	73515.87
1,2,7-trimethylnaphthalene	170.10	60861.14
1,6,7-trimethylnaphthalene	170.10	161206.11
1,2,6-trimethylnaphthalene	170.10	8844.62
1,2,4-trimethylnaphthalene	170.10	37956.30
1,2,5-trimethylnaphthalene	170.10	122269.86
Phenanthrene	178.10	219842.33
1,3,5,7-tetramethylnaphthalene	184.10	63460.05
1,3,6,7-tetramethylnaphthalene	184.10	37891.29
1,2,4,7-tetramethylnaphthalene	184.10	62115.85
1,2,5,7-tetramethylnaphthalene	184.10	50580.08
2,3,6,7-tetramethylnaphthalene	184.10	26581.87
1,2,6,7-tetramethylnaphthalene	184.10	25415.78
1,2,5,6-tetramethylnaphthalene	184.10	49972.54
Dibenzothiophene	184.10	517024.38
D10-Phenanthrene (Intern. Std.)	188.10	73473.16
3-methylphenanthrene	192.10	87628.11
2-methylphenanthrene	192.10	92097.83
9-methylphenanthrene	192.10	244144.78
1-methylphenanthrene	192.10	166955.77
Cadalene	198.00	5977.05
4-methyldibenzothiophene	198.10	384705.69
3+2-methyldibenzothiophene	198.10	243264.02
1-methyldibenzothiophene	198.10	292797.47
4,5-dimethylphenanthrene	206.20	29122.25
2,6+3,6-dimethylphenanthrene	206.20	45965.48
3,5-dimethylphenanthrene	206.20	19697.68
2,7-dimethylphenanthrene	206.20	11504.03
3,9-dimethylphenanthrene	206.20	173041.42
1,6+2,5+2,9-dimethylphenanthrene	206.20	87880.14
1,7-dimethylphenanthrene	206.20	62208.53
1,9+4,9-dimethylphenanthrene	206.20	74143.96
1,8-dimethylphenanthrene	206.20	31090.61
1,2-dimethylphenanthrene	206.20	18486.59

Peak name	Ion	Area
TA_C20	231.20	22227.04
TA_C21	231.20	17005.93
TA_C22_20S	231.20	5740.32
TA_C22_20R	231.20	5340.46
TA_C26_20S	231.20	6315.23
TA_C26_20R_C27_20S	231.20	37796.91
TA_C28_20S_A+B	231.20	17952.19
TA_C27_20R	231.20	27233.59
TA_C29_20S_A	231.20	6130.43
TA_C29_20S_B	231.20	3686.56
TA_C28_20R	231.20	20518.60
MA_C21_A	253.20	14645.26
MA_C21_B	253.20	8250.77
MA_C22_A	253.20	14175.40
MA_C22_B	253.20	9895.30
MA_C27_I_20S	253.20	3555.89
MA_C27_V_20S	253.20	21566.21
MA_C27_I_20R_C27_V_20R	253.20	19878.97
MA_C27_II_20S	253.20	3391.76
MA_C28_I_20S	253.20	31804.03
MA_C28_V_20S	253.20	4758.65
MA_C27_II_20R	253.20	2216.14
MA_C28_II_20S	253.20	3989.18
MA_C28_I_20R_C28_V_20R	253.20	22625.15
MA_C29_I_20S_C29_V_20S	253.20	18537.85
MA_C29_II_20S	253.20	3079.49
MA_C28_II_20R	253.20	8386.94
MA_C29_I_20R_C29_V_20R	253.20	12356.01

Sample	FPC_317719	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	8890.0-8938.0ft	Fraction	Aromatic	Analysis date	25-AUG-2011

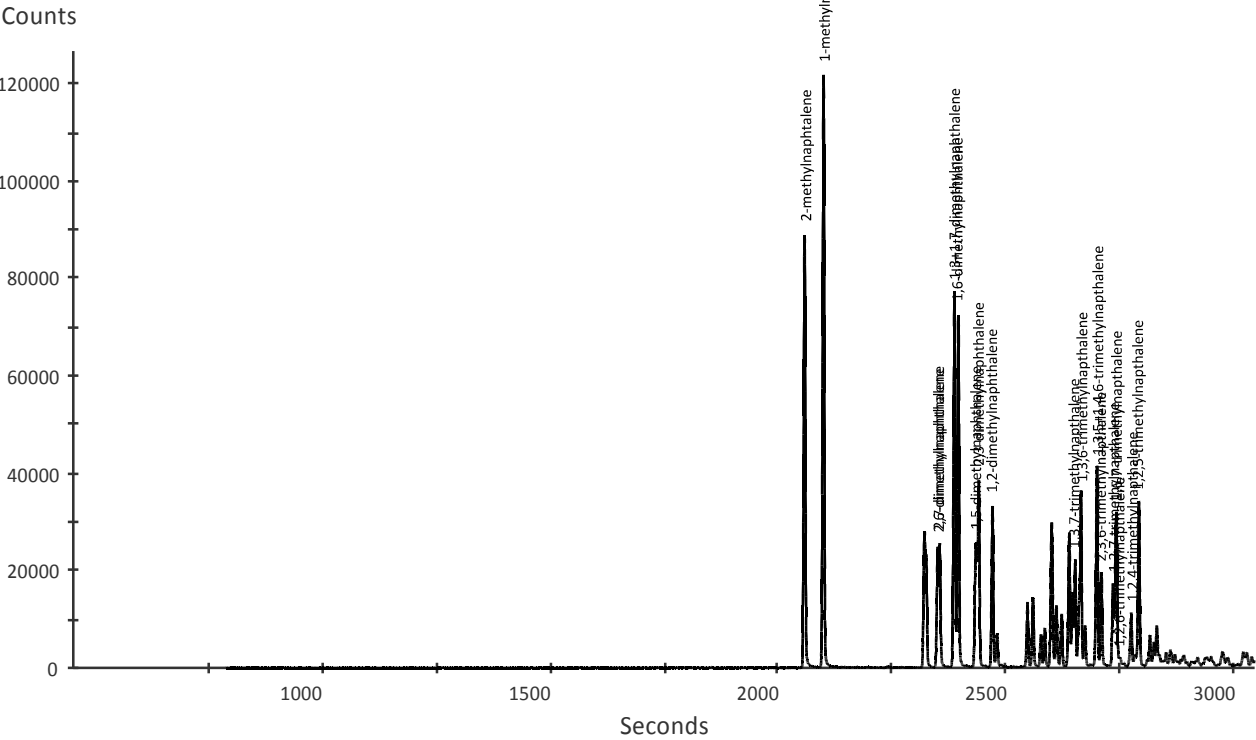
m/z	signal intensity
134.1	1,000

Alkyl-trimethylbenzenes



m/z	signal intensity
142.1+156.1+170.1	126,670.96

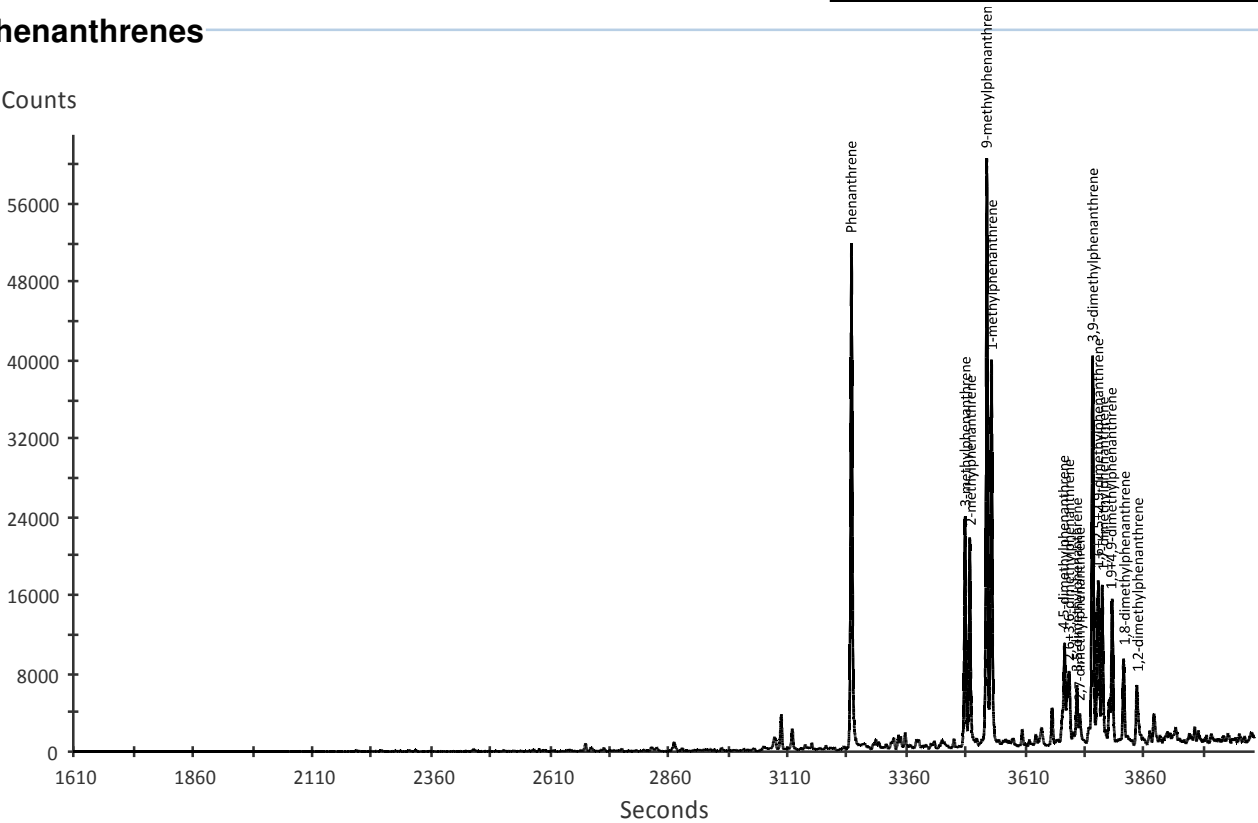
Methylnaphthalenes



Sample	FPC_317719	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	8890.0-8938.0ft	Fraction	Aromatic	Analysis date	25-AUG-2011

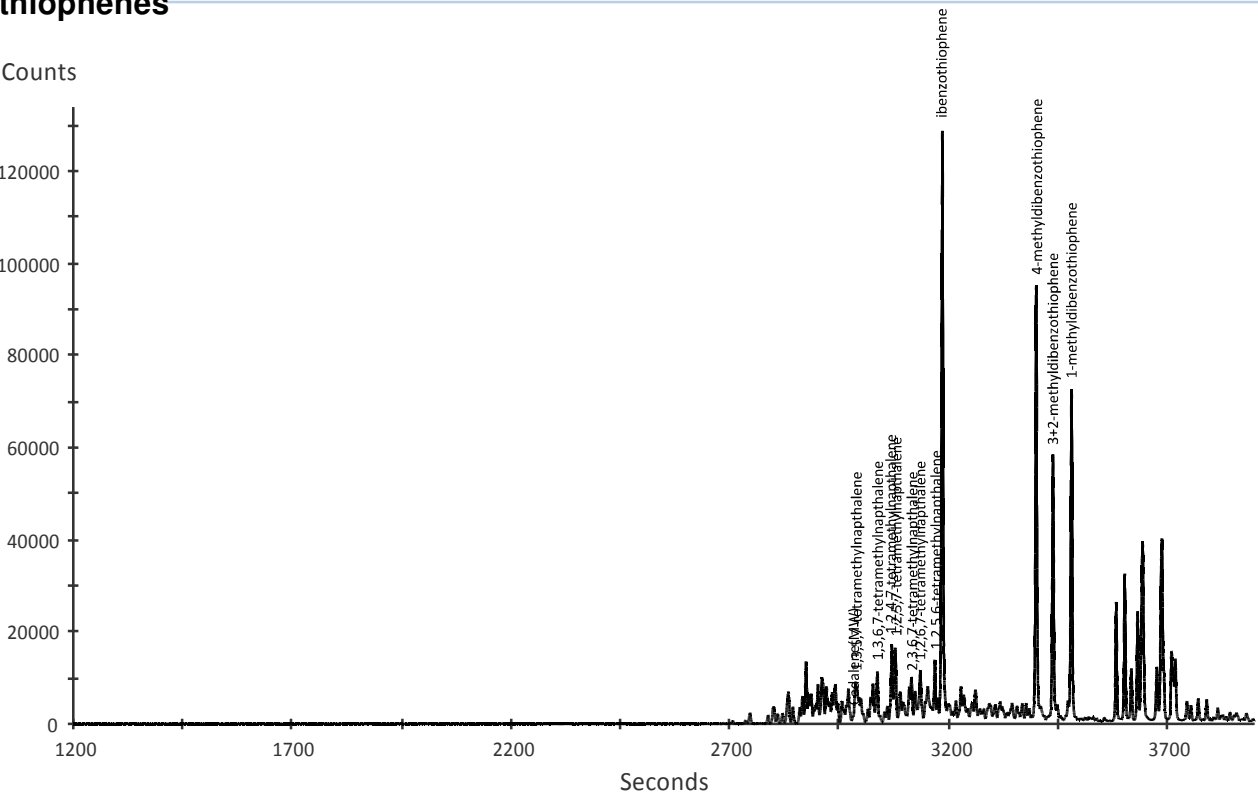
m/z	signal intensity
178.1+192.1+206.1	63,068.72

Methylphenanthrenes



m/z	signal intensity
184.0+198.1+212.1	133,791.84

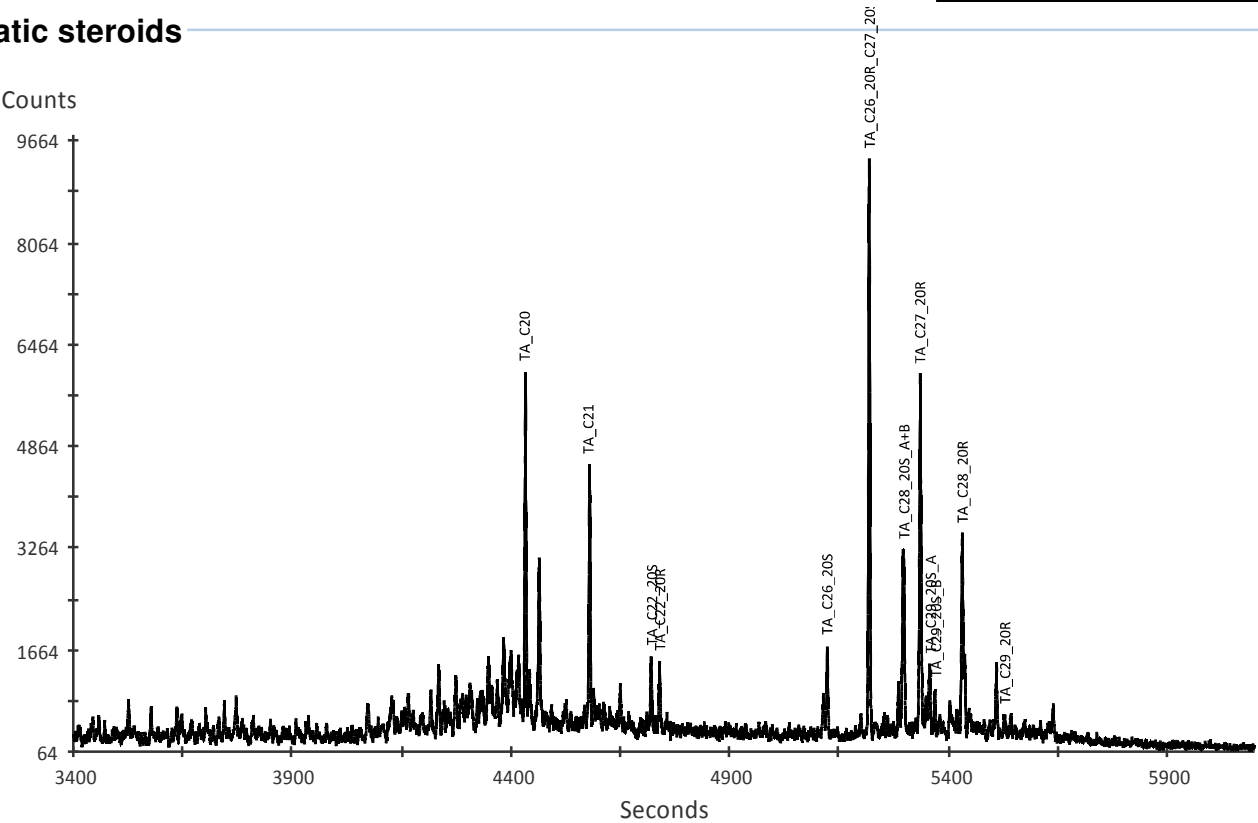
Dibenzothiophenes



Sample	FPC_317719	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	8890.0-8938.0ft	Fraction	Aromatic	Analysis date	25-AUG-2011

m/z	signal intensity
231.1	9,762

Triaromatic steroids



m/z	signal intensity
253.2	7,003.36

Monoaromatic steroids

