



Marchwood Scientific Services

Unit 4G Central Crescent,
Marchwood Industrial Park,
Marchwood,
Southampton, Hants,
SO40 4BJ

Tel: 02380-669126
Fax: 02380-669127

Name of Client : Shanks plc
Address : New Inn, Pontypool, Gwent, S Wales

Test Certificate No: 105-2640

ANALYSIS OF PCBs

Job Reference: Shanks - Pontypool
Sample Identifier : BH68
Sample No: 105-2640
Order No:

Instrument : Micromass Ultima NT
GC Column : DB5
Calibration File : 71205

Date of Receipt : 17/11/05
Date of Analysis : 07/12/05
Date of Report : 09/12/05
No of Samples in Batch : 37
Sample Condition : normal

Test Method : 1122
Blank :
Sample Size : 0.5

expressed as ng / l

Congener	Conc	TEFs	TEQ ¹	TEQ ²	DL	Rec %
PCB-81	15.0460	0.00010	0.0015	0.0015	0.1580	107
PCB-77	55.2680	0.00010	0.0055	0.0055	0.1500	117
PCB-123	94.7640	0.00010	0.0095	0.0095	0.0320	97
PCB-118	610.5680	0.00010	0.0611	0.0611	0.0280	105
PCB-114	24.4200	0.00050	0.0122	0.0122	0.0320	98
PCB-105	259.1920	0.00010	0.0259	0.0259	0.0340	95
PCB-126	6.7200	0.10000	0.6720	0.6720	0.0360	108
PCB-167	48.8880	0.00001	0.0005	0.0005	0.0260	92
PCB-156	113.5560	0.00050	0.0568	0.0568	0.0260	90
PCB-157	21.0300	0.00050	0.0105	0.0105	0.0260	85
PCB-169	0.4920	0.01000	0.0049	0.0049	0.0320	74
PCB-189	13.4420	0.00010	0.0013	0.0013	0.0340	76
TEQ (WHO)			0.8617	0.8617		

* Isomer Not detected
TEQ Toxic Equivalent Value
TEF Toxic Equivalent Factor
Conc Concentration
DL Detection Value

TEQ¹ Concentration of Non Detected
Congeners at Detection Limit
TEQ² Concentration of Non Detected
Congeners at Zero

Name of Analyst : K Pettit
Position : Technical Manager

Signature of Analyst :





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Name of Client : Shanks plc
Address : New Inn, Pontypool, Gwent, S Wales

Test Certificate No: 105-2648

ANALYSIS OF PCBs

Job Reference: Shanks - Pontypool
Sample Identifier : BH74
Sample No: 105-2648
Order No:

Date of Receipt : 17/11/05
Date of Analysis : 07/12/05
Date of Report : 09/12/05
No of Samples in Batch : 37
Sample Condition : normal

Instrument : Micromass Ultima NT
GC Column : DB5
Calibration File : 71205

Test Method : 1122
Blank :
Sample Size : 0.5

expressed as ng / l

Congener	Conc	TEFs	TEQ ¹	TEQ ²	DL	Rec %
PCB-81	0.0280	0.00010	0.0000	0.0000	0.0140	79
PCB-77	0.2320	0.00010	0.0000	0.0000	0.0080	73
PCB-123	0.6160	0.00010	0.0001	0.0001	0.0140	87
PCB-118	3.3380	0.00010	0.0003	0.0003	0.0120	86
PCB-114	0.0300	0.00050	0.0000	0.0000	0.0140	83
PCB-105	1.4580	0.00010	0.0001	0.0001	0.0140	86
PCB-126	0.0540	0.10000	0.0054	0.0054	0.0180	81
PCB-167	0.3620	0.00001	0.0000	0.0000	0.0140	86
PCB-156	0.6380	0.00050	0.0003	0.0003	0.0120	92
PCB-157	0.1380	0.00050	0.0001	0.0001	0.0120	93
PCB-169	0.0100	0.01000	0.0001	0.0001	0.0140	79
PCB-189	0.1260	0.00010	0.0000	0.0000	0.0120	84
TEQ (WHO)			0.0065	0.0065		

* Isomer Not detected
TEQ Toxic Equivalent Value
TEF Toxic Equivalent Factor
Conc Concentration
DL Detection Value

TEQ¹ Concentration of Non Detected
Congeners at Detection Limit
TEQ² Concentration of Non Detected
Congeners at Zero

Name of Analyst : K Pettit
Position : Technical Manager

Signature of Analyst :





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Name of Client : Shanks plc
Address : New Inn, Pontypool, Gwent, S Wales

Test Certificate No: 105-2638

ANALYSIS OF PCBs

Job Reference: Shanks - Pontypool
Sample Identifier : BH89
Sample No: 105-2638
Order No:

Date of Receipt : 17/11/05
Date of Analysis : 07/12/05
Date of Report : 09/12/05
No of Samples in Batch : 37
Sample Condition : normal

Instrument : Micromass Ultima NT
GC Column : DB5
Calibration File : 71205

Test Method : 1122
Blank :
Sample Size : 0.5

expressed as ng / l

Congener	Conc	TEFs	TEQ ¹	TEQ ²	DL	Rec %
PCB-81	0.0800	0.00010	0.0000	0.0000	0.0060	78
PCB-77	0.0400	0.00010	0.0000	0.0000	0.0050	90
PCB-123	1.3130	0.00010	0.0001	0.0001	0.0010	87
PCB-118	7.1540	0.00010	0.0007	0.0007	0.0010	85
PCB-114	0.0920	0.00050	0.0000	0.0000	0.0010	82
PCB-105	3.7230	0.00010	0.0004	0.0004	0.0010	79
PCB-126	0.1310	0.10000	0.0131	0.0131	0.0020	71
PCB-167	0.5300	0.00001	0.0000	0.0000	0.0020	77
PCB-156	1.2360	0.00050	0.0006	0.0006	0.0020	69
PCB-157	0.2500	0.00050	0.0001	0.0001	0.0020	68
PCB-169	0.0110	0.01000	0.0001	0.0001	0.0030	54
PCB-189	0.1870	0.00010	0.0000	0.0000	0.0020	70
TEQ (WHO)			0.0153	0.0153		

* Isomer Not detected
TEQ Toxic Equivalent Value
TEF Toxic Equivalent Factor
Conc Concentration
DL Detection Value

TEQ¹ Concentration of Non Detected
Congeners at Detection Limit
TEQ² Concentration of Non Detected
Congeners at Zero

Name of Analyst : K Pettit
Position : Technical Manager

Signature of Analyst :

