Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM030915.M
Title : SVOA CALIBRATION
Last Update : Tue Mar 10 05:01:27 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000669.D 10 =BM000670.D 20 =BM000671.D
40 =BM000672.D 80 =BM000673.D 160 =BM000674.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.518	0.437	0.463	0.421	0.417		0.451	9.16
3)	S	1,4-Dioxane-d8	0.414	0.377	0.355	0.343	0.347		0.367	7.95
4)		Benzaldehyde		0.974	0.960	0.997	1.068	1.054	1.011	4.78
5)	S	Phenol-d5		1.399	1.376	1.414	1.458	1.518	1.433	3.94
6)		Phenol		1.512	1.456	1.476	1.510	1.565	1.504	2.76
7)	S	Bis-(2-Chloroethy		0.915	0.873	0.847	0.862	0.869	0.873	2.89
8)		Bis(2-Chloroethyl		1.241	1.159	1.150	1.171	1.176	1.179	3.04
9)	S	2-Chlorophenol-d4	1.193	1.177	1.144	1.153	1.195		1.172	1.97
10)		2-Chlorophenol	1.211	1.213	1.187	1.186	1.212		1.202	1.15
11)		2-Methylphenol		1.113	1.095	1.105	1.149	1.197	1.132	3.70
12)		2,2'-oxybis(1-Chl		2.220	2.083	2.062	2.028	2.048	2.088	3.66
13)	S	4-Methylphenol-d8		1.123	1.077	1.114	1.154	1.202	1.134	4.14
14)		Acetophenone		1.835	1.724	1.763	1.778	1.834	1.787	2.67
15)	P	N-Nitroso-di-n-pr	0.783	0.844	0.819	0.856	0.884		0.837	4.58
16)		4-Methylphenol		1.265	1.184	1.213	1.250	1.293	1.241	3.45
17)		Hexachloroethane	0.487	0.479	0.466	0.472	0.474		0.476	1.59
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.107	0.122	0.122	0.130	0.139		0.124	9.69
20)		Nitrobenzene	0.307	0.322	0.309	0.320	0.326		0.317	2.61
21)		Isophorone	0.492	0.536	0.534	0.571	0.600		0.547	7.50
22)	S	2-Nitrophenol-d4	0.115	0.126	0.131	0.141	0.154		0.133	11.22
23)	C	2-Nitrophenol	0.129	0.145	0.148	0.152	0.164		0.148	8.55
24)		2,4-Dimethylpheno	0.317	0.326	0.312	0.319	0.329		0.321	2.17
25)		Bis(2-Chloroethox	0.373	0.376	0.366	0.361	0.369		0.369	1.59
26)	S	2,4-Dichloropheno	0.252	0.265	0.266	0.275	0.286		0.269	4.63
27)	C	2,4-Dichloropheno	0.262	0.272	0.264	0.273	0.280		0.270	2.68
28)		Naphthalene	1.090	1.018	0.969	0.945	0.961		0.997	5.92
29)	S	4-Chloroaniline-d		0.127	0.133	0.143	0.148	0.137	0.138	5.88
30)		4-Chloroaniline		0.145	0.145	0.156	0.159	0.148	0.151	4.25
31)	C	Hexachlorobutadie	0.191	0.171	0.170	0.162	0.166		0.172	6.37
32)		Caprolactam		0.060	0.065	0.075	0.086	0.086	0.074	15.92
33)	C	4-Chloro-3-methyl	0.245	0.276	0.267	0.283	0.294		0.273	6.79
34)		2-Methylnaphthale	0.720	0.701	0.663	0.667	0.675		0.685	3.56
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.631	0.593	0.566	0.560	0.563		0.583	5.19
37)		Hexachlorocyclope		0.307	0.308	0.322	0.345	0.344	0.325	5.70
38)	C	2,4,6-Trichloroph	0.270	0.297	0.313	0.339	0.364		0.317	11.60
39)		2,4,5-Trichloroph	0.330	0.359	0.362	0.371	0.398		0.364	6.66
40)		1,1'-Biphenyl	1.734	1.640	1.522	1.500	1.519		1.583	6.38
41)		2-Chloronaphthale	1.323	1.244	1.177	1.159	1.175		1.216	5.64
42)		2-Nitroaniline	0.212	0.257	0.270	0.307	0.345		0.278	18.14
43)	S	Dimethylphthalate	1.280	1.307	1.276	1.295	1.328		1.297	1.62
44)		Dimethylphthalate	1.447	1.417	1.372	1.398	1.421		1.411	1.98
45)		2,6-Dinitrotoluen	0.197	0.236	0.248	0.275	0.301		0.252	15.66
46)	S	Acenaphthylene-d8	1.787	1.814	1.767	1.805	1.840		1.803	1.52
47)		Acenaphthylene	1.998	2.002	1.923	1.933	1.960		1.963	1.85
48)		3-Nitroaniline		0.201	0.222	0.256	0.271	0.242	0.238	11.59
49)	C	Acenaphthene	1.407	1.308	1.241	1.231	1.254		1.288	5.63
50)		2,4-Dinitrophenol		0.077	0.099	0.139	0.175	0.184	0.135	34.64
51)	S	4-Nitrophenol-d4		0.195	0.215	0.251	0.277	0.272	0.242	14.83

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM030915.M
Title : SVOA CALIBRATION
Last Update : Tue Mar 10 05:01:27 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000669.D 10 =BM000670.D 20 =BM000671.D
40 =BM000672.D 80 =BM000673.D 160 =BM000674.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.148	0.165	0.182	0.199	0.192	0.177	11.83
53)		Dibenzofuran	2.003	1.875	1.775	1.732	1.778		1.833	5.93
54)		2,4-Dinitrotoluen	0.291	0.353	0.368	0.402	0.439		0.370	14.96
55)		2,3,4,6-Tetrachlo	0.236	0.271	0.281	0.306	0.329		0.285	12.38
56)		Diethylphthalate	1.323	1.352	1.328	1.376	1.420		1.360	2.92
57)	S	Fluorene-d10	1.389	1.309	1.251	1.249	1.266		1.293	4.57
58)		Fluorene	1.595	1.510	1.429	1.431	1.446		1.482	4.79
59)		4-Chlorophenyl-ph	0.781	0.728	0.698	0.683	0.684		0.715	5.79
60)		4-Nitroaniline		0.218	0.251	0.291	0.327	0.294	0.276	15.34
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.086	0.097	0.106	0.115	0.120	0.105	13.25
63)		4,6-Dinitro-2-met		0.094	0.101	0.111	0.119	0.123	0.110	11.14
64)		N-Nitrosodiphenyl	0.589	0.597	0.572	0.562	0.559		0.576	2.95
65)		4-Bromophenyl-phe	0.196	0.186	0.181	0.179	0.177		0.184	4.26
66)		Hexachlorobenzene	0.220	0.208	0.198	0.197	0.196		0.204	5.13
67)		Atrazine		0.137	0.151	0.155	0.163	0.160	0.153	6.61
68)	C	Pentachlorophenol		0.078	0.090	0.107	0.119	0.124	0.103	18.98
69)		Phenanthrene	1.177	1.097	1.060	1.034	1.026		1.079	5.71
70)	S	Anthracene-d10	0.923	0.890	0.871	0.863	0.874		0.884	2.67
71)		Anthracene	1.146	1.106	1.074	1.059	1.053		1.088	3.55
72)		Carbazole		0.956	0.949	0.954	0.961	0.919	0.948	1.77
73)		Di-n-butylphthala	0.852	0.905	1.010	1.078	1.112		0.991	11.19
74)	C	Fluoranthene		1.125	1.161	1.160	1.158	1.064	1.134	3.66
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.916	0.958	0.866	0.867	0.869		0.895	4.58
77)		Pyrene	1.280	1.304	1.168	1.154	1.145		1.210	6.26
78)		Butylbenzylphthal	0.326	0.371	0.412	0.456	0.483		0.410	15.46
79)		3,3'-Dichlorobenz		0.299	0.320	0.339	0.335	0.295	0.318	6.34
80)		Benzo(a)anthracen	1.154	1.141	1.090	1.074	1.066		1.105	3.61
81)		Bis(2-ethylhexyl)	0.488	0.531	0.640	0.683	0.712		0.611	15.86
82)		Chrysene	1.176	1.102	1.039	1.032	1.012		1.072	6.25
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.951	1.160	1.248	1.314	1.251	1.185	11.96
85)		Benzo(b)fluoranth	1.224	1.186	1.098	1.126	1.151		1.157	4.31
86)		Benzo(k)fluoranth	1.145	1.095	1.129	1.093	1.048		1.102	3.40
87)	S	Benzo(a)pyrene-d1	0.861	0.844	0.842	0.847	0.854		0.849	0.92
88)	C	Benzo(a)pyrene	1.148	1.105	1.076	1.078	1.073		1.096	2.91
89)		Indeno(1,2,3-cd)p	1.238	1.188	1.201	1.190	1.199		1.203	1.69
90)		Dibenzo(a,h)anthr	1.078	0.990	1.012	1.017	1.003		1.020	3.34
91)		Benzo(g,h,i)peryl	1.064	1.007	1.014	0.999	1.012		1.019	2.53

(#) = Out of Range