Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION
Last Update : Mon May 23 05:32:02 2016
Response Via : Initial Calibration

Calibration Files
5 =BM005525.D 10 =BM005526.D 20 =BM005583.D
40 =BM005528.D 80 =BM005529.D 160 =BM005530.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.859	0.867	0.811	0.767	0.725		0.806	7.50
3)	S	1,4-Dioxane-d8	0.473	0.474	0.460	0.445	0.430		0.457	4.11
4)		Benzaldehyde		1.168	1.187	1.093	1.001	0.870	1.064	12.29
5)	S	Phenol-d5		1.686	1.728	1.611	1.579	1.593	1.639	3.94
6)		Phenol		1.756	1.806	1.666	1.602	1.613	1.689	5.29
7)	S	Bis-(2-Chloroethy		0.999	1.004	0.945	0.898	0.905	0.950	5.28
8)		Bis(2-Chloroethyl		1.354	1.354	1.254	1.207	1.210	1.276	5.79
9)	S	2-Chlorophenol-d4	1.381	1.400	1.417	1.339	1.302		1.368	3.42
10)		2-Chlorophenol	1.398	1.426	1.412	1.329	1.297		1.372	4.12
11)		2-Methylphenol		1.305	1.353	1.277	1.233	1.233	1.280	3.96
12)		2,2'-oxybis(1-Chl		1.810	1.818	1.677	1.617	1.595	1.704	6.18
13)	S	4-Methylphenol-d8		1.357	1.442	1.328	1.298	1.292	1.343	4.51
14)		Acetophenone		2.220	2.213	1.981	1.876	1.824	2.023	9.17
15)	P	N-Nitroso-di-n-pr	1.110	1.111	1.146	1.015	0.958		1.068	7.34
16)		4-Methylphenol		1.438	1.493	1.370	1.328	1.321	1.390	5.32
17)		Hexachloroethane	0.552	0.561	0.575	0.536	0.523		0.549	3.70
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.153	0.154	0.156	0.152	0.151		0.153	1.31
20)		Nitrobenzene	0.380	0.379	0.379	0.360	0.355		0.370	3.24
21)		Isophorone	0.704	0.722	0.724	0.663	0.650		0.693	4.93
22)	S	2-Nitrophenol-d4	0.162	0.171	0.174	0.167	0.168		0.168	2.74
23)	C	2-Nitrophenol	0.179	0.184	0.188	0.178	0.175		0.181	2.87
24)		2,4-Dimethylpheno	0.381	0.386	0.385	0.363	0.355		0.374	3.80
25)		Bis(2-Chloroethox	0.428	0.423	0.421	0.389	0.379		0.408	5.53
26)	S	2,4-Dichloropheno	0.316	0.328	0.328	0.309	0.304		0.317	3.42
27)	C	2,4-Dichloropheno	0.314	0.320	0.327	0.304	0.297		0.312	3.90
28)		Naphthalene	1.053	1.051	1.036	0.956	0.928		1.005	5.81
29)	S	4-Chloroaniline-d		0.299	0.329	0.334	0.326	0.299	0.318	5.29
30)		4-Chloroaniline		0.316	0.339	0.343	0.328	0.300	0.325	5.50
31)	C	Hexachlorobutadie	0.215	0.219	0.211	0.202	0.197		0.209	4.44
32)		Caprolactam		0.109	0.108	0.102	0.099	0.103	0.104	3.93
33)	C	4-Chloro-3-methyl	0.342	0.356	0.361	0.332	0.321		0.342	4.78
34)		2-Methylnaphthale	0.771	0.771	0.761	0.704	0.668		0.735	6.35
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.698	0.698	0.713	0.664	0.644		0.683	4.16
37)		Hexachlorocyclope		0.405	0.431	0.429	0.442	0.439	0.429	3.34
38)	C	2,4,6-Trichloroph	0.428	0.460	0.462	0.443	0.433		0.445	3.46
39)		2,4,5-Trichloroph	0.479	0.513	0.508	0.479	0.473		0.490	3.83
40)		1,1'-Biphenyl	1.744	1.760	1.727	1.618	1.547		1.679	5.52
41)		2-Chloronaphthale	1.349	1.353	1.330	1.238	1.199		1.294	5.45
42)		2-Nitroaniline	0.364	0.397	0.407	0.393	0.387		0.389	4.15
43)	S	Dimethylphthalate	1.719	1.724	1.671	1.558	1.492		1.633	6.33
44)		Dimethylphthalate	1.719	1.714	1.636	1.529	1.468		1.613	6.93
45)		2,6-Dinitrotoluen	0.316	0.328	0.334	0.329	0.324		0.326	2.11
46)	S	Acenaphthylene-d8	2.092	2.134	2.122	1.971	1.887		2.041	5.26
47)		Acenaphthylene	2.168	2.160	2.155	1.994	1.891		2.074	6.03
48)		3-Nitroaniline		0.334	0.321	0.314	0.278	0.264	0.302	9.88
49)	C	Acenaphthene	1.427	1.439	1.417	1.309	1.245		1.367	6.29
50)		2,4-Dinitrophenol		0.152	0.176	0.187	0.190	0.208	0.183	11.30
51)	S	4-Nitrophenol-d4		0.316	0.321	0.314	0.297	0.296	0.309	3.72

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.318	0.314	0.313	0.302	0.304	0.310	2.25
53)		Dibenzofuran	2.059	2.055	2.014	1.856	1.777		1.953	6.57
54)		2,4-Dinitrotoluen	0.462	0.486	0.494	0.479	0.459		0.476	3.14
55)		2,3,4,6-Tetrachlo	0.435	0.445	0.441	0.414	0.408		0.429	3.87
56)		Diethylphthalate	1.729	1.733	1.692	1.571	1.500		1.645	6.36
57)	S	Fluorene-d10	1.509	1.518	1.451	1.351	1.274		1.421	7.43
58)		Fluorene	1.683	1.708	1.615	1.474	1.334		1.563	10.03
59)		4-Chlorophenyl-ph	0.839	0.848	0.810	0.732	0.676		0.781	9.52
60)		4-Nitroaniline		0.393	0.387	0.373	0.352	0.338	0.369	6.32
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.107	0.115	0.119	0.115	0.119	0.115	4.48
63)		4,6-Dinitro-2-met		0.115	0.123	0.125	0.119	0.123	0.121	3.31
64)		N-Nitrosodiphenyl	0.628	0.642	0.630	0.582	0.553		0.607	6.25
65)		4-Bromophenyl-phe	0.231	0.230	0.230	0.215	0.207		0.223	4.98
66)		Hexachlorobenzene	0.270	0.265	0.263	0.242	0.228		0.254	7.08
67)		Atrazine		0.243	0.239	0.227	0.215	0.211	0.227	6.11
68)	C	Pentachlorophenol		0.150	0.157	0.154	0.150	0.152	0.152	1.90
69)		Phenanthrene	1.191	1.176	1.152	1.068	1.001		1.118	7.22
70)	S	Anthracene-d10	1.013	1.000	0.984	0.911	0.855		0.953	7.05
71)		Anthracene	1.215	1.209	1.174	1.085	1.013		1.139	7.68
72)		Carbazole		1.101	1.056	0.985	0.912	0.889	0.989	9.17
73)		Di-n-butylphthala	1.227	1.259	1.252	1.169	1.091		1.200	5.86
74)	C	Fluoranthene		1.389	1.351	1.266	1.160	1.125	1.258	9.16
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.922	0.936	0.933	0.877	0.862		0.906	3.78
77)		Pyrene	1.178	1.201	1.189	1.107	1.074		1.150	4.86
78)		Butylbenzylphthal	0.485	0.489	0.501	0.480	0.469		0.485	2.48
79)		3,3'-Dichlorobenz		0.421	0.410	0.374	0.323	0.284	0.363	16.01
80)		Benzo(a)anthracen	1.239	1.222	1.207	1.125	1.086		1.176	5.68
81)		Bis(2-ethylhexyl)	0.708	0.719	0.710	0.659	0.627		0.684	5.82
82)		Chrysene	1.178	1.171	1.159	1.071	1.014		1.118	6.49
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.201	1.219	1.155	1.112	1.049	1.147	5.99
85)		Benzo(b)fluoranth	1.255	1.229	1.191	1.128	1.095		1.180	5.70
86)		Benzo(k)fluoranth	1.164	1.149	1.157	1.085	1.029		1.117	5.24
87)	S	Benzo(a)pyrene-d1	0.982	0.961	0.949	0.910	0.868		0.934	4.82
88)	C	Benzo(a)pyrene	1.206	1.190	1.172	1.102	1.051		1.144	5.74
89)		Indeno(1,2,3-cd)p	1.428	1.410	1.400	1.311	1.246		1.359	5.71
90)		Dibenzo(a,h)anthr	1.191	1.182	1.176	1.093	1.018		1.132	6.63
91)		Benzo(g,h,i)peryl	1.186	1.165	1.168	1.110	1.085		1.143	3.78

(#) = Out of Range