Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM051215.M
Title : SVOA CALIBRATION
Last Update : Tue May 12 06:50:27 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001246.D 10 =BM001247.D 20 =BM001248.D
40 =BM001249.D 80 =BM001250.D 160 =BM001251.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.447	0.448	0.456	0.458	0.429		0.448	2.54
3)	S	1,4-Dioxane-d8	0.405	0.426	0.410	0.421	0.392		0.411	3.21
4)		Benzaldehyde		0.905	1.020	1.023	0.945	0.720	0.923	13.43
5)	S	Phenol-d5		1.352	1.537	1.606	1.668	1.636	1.560	8.05
6)		Phenol		1.436	1.623	1.714	1.736	1.725	1.647	7.67
7)	S	Bis-(2-Chloroethy		0.904	0.970	0.983	0.978	0.971	0.961	3.35
8)		Bis(2-Chloroethyl		1.195	1.298	1.316	1.321	1.315	1.289	4.12
9)	S	2-Chlorophenol-d4	1.119	1.147	1.257	1.330	1.360		1.243	8.63
10)		2-Chlorophenol	1.166	1.202	1.311	1.365	1.390		1.287	7.69
11)		2-Methylphenol		1.078	1.248	1.304	1.351	1.316	1.259	8.57
12)		2,2'-oxybis(1-Chl		2.241	2.397	2.406	2.380	2.305	2.346	3.02
13)	S	4-Methylphenol-d8		1.109	1.301	1.348	1.385	1.312	1.291	8.28
14)		Acetophenone		1.875	2.174	2.193	2.226	2.119	2.117	6.66
15)	P	N-Nitroso-di-n-pr	0.821	0.934	1.098	1.120	1.156		1.026	13.92
16)		4-Methylphenol		1.196	1.406	1.434	1.500	1.410	1.389	8.22
17)		Hexachloroethane	0.492	0.496	0.538	0.557	0.555		0.528	5.96
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.114	0.119	0.134	0.145	0.147		0.132	11.20
20)		Nitrobenzene	0.323	0.342	0.368	0.372	0.374		0.356	6.26
21)		Isophorone	0.526	0.558	0.656	0.668	0.688		0.619	11.67
22)	S	2-Nitrophenol-d4	0.124	0.130	0.152	0.165	0.172		0.149	14.23
23)	C	2-Nitrophenol	0.141	0.154	0.176	0.183	0.186		0.168	11.62
24)		2,4-Dimethylpheno	0.315	0.329	0.364	0.369	0.373		0.350	7.43
25)		Bis(2-Chloroethox	0.368	0.375	0.410	0.418	0.421		0.398	6.24
26)	S	2,4-Dichloropheno	0.264	0.269	0.304	0.316	0.323		0.295	9.12
27)	C	2,4-Dichloropheno	0.267	0.269	0.300	0.306	0.316		0.292	7.69
28)		Naphthalene	1.032	0.976	1.041	1.046	1.044		1.028	2.86
29)	S	4-Chloroaniline-d		0.360	0.406	0.402	0.388	0.316	0.374	10.05
30)		4-Chloroaniline		0.362	0.412	0.405	0.391	0.328	0.380	9.15
31)	C	Hexachlorobutadie	0.180	0.173	0.181	0.182	0.182		0.179	2.13
32)		Caprolactam		0.068	0.094	0.098	0.103	0.094	0.091	14.91
33)	C	4-Chloro-3-methyl	0.262	0.280	0.329	0.332	0.343		0.309	11.58
34)		2-Methylnaphthale	0.695	0.688	0.753	0.755	0.757		0.730	4.78
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.616	0.593	0.618	0.632	0.618		0.615	2.27
37)		Hexachlorocyclope		0.295	0.329	0.369	0.374	0.430	0.359	14.22
38)	C	2,4,6-Trichloroph	0.345	0.353	0.392	0.416	0.416		0.384	8.82
39)		2,4,5-Trichloroph	0.380	0.387	0.432	0.446	0.447		0.418	7.81
40)		1,1'-Biphenyl	1.639	1.618	1.663	1.690	1.664		1.655	1.65
41)		2-Chloronaphthale	1.296	1.248	1.292	1.300	1.285		1.284	1.63
42)		2-Nitroaniline	0.252	0.296	0.377	0.406	0.418		0.350	20.73
43)	S	Dimethylphthalate	1.252	1.286	1.419	1.411	1.409		1.355	5.88
44)		Dimethylphthalate	1.425	1.467	1.602	1.571	1.580		1.529	5.10
45)		2,6-Dinitrotoluen	0.214	0.259	0.321	0.335	0.344		0.294	19.04
46)	S	Acenaphthylene-d8	1.800	1.850	1.999	2.042	2.020		1.942	5.63
47)		Acenaphthylene	1.960	1.964	2.123	2.137	2.130		2.063	4.47
48)		3-Nitroaniline		0.262	0.333	0.343	0.334	0.310	0.316	10.43
49)	C	Acenaphthene	1.355	1.322	1.405	1.406	1.391		1.376	2.65
50)		2,4-Dinitrophenol		0.116	0.168	0.190	0.216	0.225	0.183	23.98
51)	S	4-Nitrophenol-d4		0.211	0.278	0.288	0.296	0.298	0.274	13.25

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.179	0.229	0.232	0.241	0.234	0.223	11.19
53)		Dibenzofuran	1.893	1.855	1.974	1.955	1.936		1.923	2.52
54)		2,4-Dinitrotoluen	0.329	0.385	0.478	0.482	0.500		0.435	17.08
55)		2,3,4,6-Tetrachlo	0.287	0.305	0.356	0.373	0.382		0.340	12.41
56)		Diethylphthalate	1.382	1.391	1.633	1.604	1.612		1.524	8.28
57)	S	Fluorene-d10	1.320	1.304	1.396	1.382	1.370		1.354	2.97
58)		Fluorene	1.508	1.509	1.654	1.638	1.654		1.593	4.85
59)		4-Chlorophenyl-ph	0.746	0.717	0.784	0.777	0.779		0.761	3.78
60)		4-Nitroaniline		0.251	0.336	0.352	0.355	0.357	0.330	13.65
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.094	0.117	0.127	0.132	0.141	0.122	14.61
63)		4,6-Dinitro-2-met		0.104	0.125	0.136	0.139	0.149	0.131	13.24
64)		N-Nitrosodiphenyl	0.566	0.569	0.613	0.635	0.628		0.602	5.47
65)		4-Bromophenyl-phe	0.191	0.185	0.197	0.207	0.207		0.197	4.88
66)		Hexachlorobenzene	0.210	0.214	0.218	0.226	0.222		0.218	2.93
67)		Atrazine		0.179	0.213	0.216	0.218	0.216	0.208	7.94
68)	C	Pentachlorophenol		0.094	0.118	0.130	0.140	0.149	0.126	16.89
69)		Phenanthrene	1.079	1.061	1.139	1.147	1.118		1.109	3.39
70)	S	Anthracene-d10	0.865	0.866	0.930	0.956	0.946		0.913	4.79
71)		Anthracene	1.079	1.101	1.173	1.179	1.169		1.140	4.11
72)		Carbazole		0.936	1.058	1.063	1.038	1.064	1.032	5.30
73)		Di-n-butylphthala	0.909	0.973	1.218	1.237	1.255		1.118	14.69
74)	C	Fluoranthene		1.135	1.317	1.266	1.227	1.245	1.238	5.39
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.860	0.872	0.893	0.970	0.979		0.915	6.12
77)		Pyrene	1.196	1.192	1.215	1.315	1.317		1.247	5.10
78)		Butylbenzylphthal	0.324	0.378	0.470	0.522	0.567		0.452	22.23
79)		3,3'-Dichlorobenz		0.310	0.389	0.392	0.376	0.367	0.367	9.06
80)		Benzo(a)anthracen	1.137	1.142	1.193	1.205	1.178		1.171	2.59
81)		Bis(2-ethylhexyl)	0.494	0.573	0.739	0.773	0.821		0.680	20.55
82)		Chrysene	1.093	1.080	1.129	1.129	1.086		1.104	2.16
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.038	1.291	1.469	1.600	1.339	1.347	15.65
85)		Benzo(b)fluoranth	1.119	1.127	1.216	1.273	1.298		1.207	6.81
86)		Benzo(k)fluoranth	1.073	1.134	1.196	1.270	1.222		1.179	6.54
87)	S	Benzo(a)pyrene-d1	0.808	0.834	0.900	0.943	0.930		0.883	6.74
88)	C	Benzo(a)pyrene	1.084	1.093	1.183	1.225	1.201		1.157	5.58
89)		Indeno(1,2,3-cd)p	1.209	1.172	1.214	1.263	1.234		1.219	2.74
90)		Dibenzo(a,h)anthr	0.996	0.981	1.027	1.061	1.046		1.022	3.27
91)		Benzo(g,h,i)peryl	1.025	0.978	1.007	1.038	1.019		1.013	2.27

(#) = Out of Range