Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM051515.M
Title : SVOA CALIBRATION
Last Update : Thu May 14 05:09:17 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001282.D 10 =BM001283.D 20 =BM001284.D
40 =BM001285.D 80 =BM001286.D 160 =BM001287.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.426	0.472	0.472	0.448	0.485		0.461	5.08
3)	S	1,4-Dioxane-d8	0.380	0.428	0.430	0.437	0.427		0.420	5.40
4)		Benzaldehyde		0.887	0.971	0.983	0.913	0.620	0.875	16.87
5)	S	Phenol-d5		1.327	1.449	1.548	1.567	1.647	1.508	8.17
6)		Phenol		1.457	1.524	1.627	1.632	1.742	1.596	6.86
7)	S	Bis-(2-Chloroethy		0.902	0.935	0.932	0.938	0.971	0.936	2.62
8)		Bis(2-Chloroethyl		1.218	1.256	1.265	1.265	1.313	1.263	2.67
9)	S	2-Chlorophenol-d4	1.118	1.176	1.240	1.279	1.305		1.224	6.24
10)		2-Chlorophenol	1.143	1.208	1.304	1.323	1.343		1.264	6.74
11)		2-Methylphenol		1.099	1.168	1.223	1.240	1.311	1.208	6.56
12)		2,2'-oxybis(1-Chl		2.229	2.245	2.272	2.240	2.272	2.251	0.87
13)	S	4-Methylphenol-d8		1.122	1.190	1.251	1.267	1.330	1.232	6.45
14)		Acetophenone		1.844	1.972	2.025	2.042	2.125	2.002	5.19
15)	P	N-Nitroso-di-n-pr	0.803	0.897	0.967	1.011	1.016		0.939	9.57
16)		4-Methylphenol		1.204	1.296	1.348	1.354	1.430	1.326	6.29
17)		Hexachloroethane	0.476	0.509	0.544	0.551	0.555		0.527	6.39
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.114	0.118	0.135	0.143	0.148		0.132	11.64
20)		Nitrobenzene	0.317	0.336	0.371	0.372	0.377		0.355	7.53
21)		Isophorone	0.506	0.543	0.616	0.644	0.655		0.593	11.00
22)	S	2-Nitrophenol-d4	0.121	0.132	0.149	0.164	0.169		0.147	14.09
23)	C	2-Nitrophenol	0.132	0.150	0.170	0.180	0.183		0.163	13.34
24)		2,4-Dimethylpheno	0.317	0.329	0.353	0.362	0.363		0.345	5.98
25)		Bis(2-Chloroethox	0.369	0.364	0.400	0.402	0.405		0.388	5.14
26)	S	2,4-Dichloropheno	0.263	0.269	0.301	0.311	0.315		0.292	8.30
27)	C	2,4-Dichloropheno	0.263	0.267	0.294	0.307	0.306		0.287	7.34
28)		Naphthalene	1.013	0.989	1.047	1.038	1.044		1.026	2.43
29)	S	4-Chloroaniline-d		0.351	0.388	0.393	0.366	0.300	0.360	10.46
30)		4-Chloroaniline		0.360	0.401	0.392	0.371	0.313	0.367	9.42
31)	C	Hexachlorobutadie	0.184	0.182	0.185	0.182	0.185		0.184	0.88
32)		Caprolactam		0.063	0.079	0.089	0.094	0.101	0.085	17.40
33)	C	4-Chloro-3-methyl	0.270	0.280	0.306	0.318	0.318		0.298	7.47
34)		2-Methylnaphthale	0.695	0.686	0.728	0.732	0.733		0.714	3.15
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.609	0.627	0.646	0.628	0.643		0.631	2.35
37)		Hexachlorocyclope		0.294	0.338	0.373	0.392	0.409	0.361	12.70
38)	C	2,4,6-Trichloroph	0.311	0.338	0.378	0.400	0.414		0.368	11.62
39)		2,4,5-Trichloroph	0.360	0.386	0.423	0.445	0.449		0.413	9.36
40)		1,1'-Biphenyl	1.599	1.622	1.673	1.683	1.697		1.655	2.55
41)		2-Chloronaphthale	1.251	1.247	1.313	1.305	1.321		1.287	2.76
42)		2-Nitroaniline	0.245	0.283	0.347	0.394	0.414		0.337	21.43
43)	S	Dimethylphthalate	1.219	1.241	1.350	1.391	1.395		1.319	6.35
44)		Dimethylphthalate	1.401	1.407	1.528	1.539	1.551		1.485	5.03
45)		2,6-Dinitrotoluen	0.214	0.246	0.292	0.322	0.333		0.281	18.02
46)	S	Acenaphthylene-d8	1.783	1.822	1.980	2.039	2.043		1.933	6.36
47)		Acenaphthylene	1.935	1.976	2.123	2.138	2.156		2.066	4.94
48)		3-Nitroaniline		0.259	0.309	0.341	0.342	0.319	0.314	10.84
49)	C	Acenaphthene	1.367	1.314	1.394	1.404	1.400		1.376	2.72
50)		2,4-Dinitrophenol		0.092	0.137	0.179	0.205	0.229	0.168	32.47
51)	S	4-Nitrophenol-d4		0.188	0.252	0.279	0.296	0.312	0.265	18.27

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.173	0.209	0.230	0.236	0.243	0.218	13.03
53)		Dibenzofuran	1.870	1.839	1.942	1.946	1.934		1.906	2.56
54)		2,4-Dinitrotoluen	0.315	0.371	0.435	0.469	0.485		0.415	17.14
55)		2,3,4,6-Tetrachlo	0.271	0.296	0.332	0.359	0.374		0.326	13.08
56)		Diethylphthalate	1.358	1.384	1.513	1.566	1.580		1.480	6.97
57)	S	Fluorene-d10	1.297	1.271	1.347	1.357	1.354		1.325	2.94
58)		Fluorene	1.551	1.483	1.590	1.631	1.641		1.579	4.09
59)		4-Chlorophenyl-ph	0.753	0.714	0.764	0.769	0.769		0.754	3.05
60)		4-Nitroaniline		0.239	0.321	0.352	0.370	0.386	0.334	17.40
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.090	0.113	0.123	0.130	0.141	0.119	16.53
63)		4,6-Dinitro-2-met		0.101	0.125	0.132	0.140	0.148	0.129	13.93
64)		N-Nitrosodiphenyl	0.569	0.587	0.629	0.636	0.633		0.611	5.06
65)		4-Bromophenyl-phe	0.185	0.191	0.205	0.206	0.206		0.198	5.12
66)		Hexachlorobenzene	0.208	0.211	0.222	0.225	0.223		0.218	3.58
67)		Atrazine		0.180	0.202	0.214	0.213	0.208	0.203	6.95
68)	C	Pentachlorophenol		0.085	0.108	0.126	0.135	0.149	0.121	20.56#
69)		Phenanthrene	1.102	1.079	1.152	1.152	1.144		1.126	2.97
70)	S	Anthracene-d10	0.881	0.875	0.953	0.953	0.952		0.922	4.43
71)		Anthracene	1.104	1.092	1.175	1.181	1.182		1.147	3.88
72)		Carbazole		0.945	1.054	1.066	1.069	1.089	1.045	5.48
73)		Di-n-butylphthala	0.878	0.965	1.139	1.217	1.252		1.090	14.91
74)	C	Fluoranthene		1.140	1.271	1.284	1.299	1.279	1.254	5.17
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.859	0.889	0.911	0.945	0.919		0.905	3.59
77)		Pyrene	1.207	1.227	1.265	1.286	1.247		1.246	2.48
78)		Butylbenzylphthal	0.304	0.368	0.435	0.503	0.524		0.427	21.61
79)		3,3'-Dichlorobenz		0.302	0.361	0.386	0.385	0.362	0.359	9.52
80)		Benzo(a)anthracen	1.141	1.117	1.182	1.220	1.186		1.169	3.47
81)		Bis(2-ethylhexyl)	0.477	0.558	0.674	0.768	0.790		0.653	20.59
82)		Chrysene	1.068	1.081	1.145	1.136	1.128		1.112	3.13
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.971	1.168	1.302	1.335	1.284	1.212	12.27
85)		Benzo(b)fluoranth	1.121	1.120	1.217	1.208	1.193		1.172	4.08
86)		Benzo(k)fluoranth	1.097	1.112	1.159	1.213	1.181		1.152	4.19
87)	S	Benzo(a)pyrene-d1	0.819	0.838	0.896	0.917	0.912		0.876	5.12
88)	C	Benzo(a)pyrene	1.075	1.082	1.166	1.197	1.176		1.139	5.00
89)		Indeno(1,2,3-cd)p	1.224	1.223	1.324	1.352	1.374		1.299	5.49
90)		Dibenzo(a,h)anthr	1.014	1.029	1.111	1.131	1.154		1.088	5.77
91)		Benzo(g,h,i)peryl	1.051	1.062	1.132	1.146	1.154		1.109	4.39

(#) = Out of Range