Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM013017.M
Title : SVOA CALIBRATION
Last Update : Tue Jan 31 03:36:05 2017
Response Via : Initial Calibration

Calibration Files
5 =BM008905.D 10 =BM008906.D 20 =BM008927.D
40 =BM008908.D 80 =BM008909.D 160 =BM008910.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.644	0.695	0.660	0.570	0.579		0.629	8.54
3)	S	1,4-Dioxane-d8	0.533	0.478	0.522	0.443	0.525		0.500	7.69
4)		Benzaldehyde		1.910	1.940	1.819	1.926	1.747	1.868	4.43
5)	S	Phenol-d5		1.636	1.892	1.747	1.991	2.077	1.869	9.58
6)		Phenol		1.776	2.007	1.882	2.090	2.154	1.982	7.75
7)	S	Bis-(2-Chloroethy		1.456	1.590	1.460	1.545	1.598	1.530	4.48
8)		Bis(2-Chloroethyl		1.423	1.517	1.423	1.545	1.583	1.498	4.84
9)	S	2-Chlorophenol-d4	0.994	1.112	1.245	1.148	1.267		1.153	9.53
10)		2-Chlorophenol	1.149	1.068	1.225	1.203	1.314		1.192	7.65
11)		2-Methylphenol		1.258	1.370	1.328	1.452	1.540	1.390	7.88
12)		2,2'-oxybis(1-Chl		2.823	3.042	2.841	3.061	3.070	2.967	4.19
13)	S	4-Methylphenol-d8		1.237	1.422	1.367	1.492	1.544	1.412	8.41
14)		Acetophenone		2.423	2.706	2.467	2.741	2.919	2.651	7.74
15)	P	N-Nitroso-di-n-pr	1.569	1.624	1.825	1.747	1.940		1.741	8.61
16)		4-Methylphenol		1.276	1.526	1.420	1.566	1.630	1.484	9.38
17)		Hexachloroethane	0.716	0.687	0.764	0.776	0.851		0.759	8.26
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.135	0.149	0.157	0.136	0.146		0.144	6.18
20)		Nitrobenzene	0.686	0.668	0.667	0.631	0.656		0.662	3.04
21)		Isophorone	0.903	0.970	1.025	0.978	1.032		0.982	5.28
22)	S	2-Nitrophenol-d4	0.145	0.160	0.163	0.158	0.178		0.161	7.30
23)	C	2-Nitrophenol	0.163	0.156	0.169	0.169	0.178		0.167	4.92
24)		2,4-Dimethylpheno	0.483	0.507	0.532	0.494	0.518		0.507	3.83
25)		Bis(2-Chloroethox	0.518	0.460	0.522	0.493	0.503		0.499	4.91
26)	S	2,4-Dichloropheno	0.319	0.326	0.351	0.333	0.362		0.338	5.30
27)	C	2,4-Dichloropheno	0.317	0.333	0.347	0.340	0.359		0.339	4.66
28)		Naphthalene	0.922	0.966	1.024	0.991	1.053		0.991	5.11
29)	S	4-Chloroaniline-d		0.272	0.315	0.338	0.342	0.282	0.310	10.30
30)		4-Chloroaniline		0.296	0.324	0.353	0.353	0.300	0.325	8.46
31)	C	Hexachlorobutadie	0.347	0.318	0.350	0.317	0.342		0.335	4.79
32)		Caprolactam		0.104	0.096	0.100	0.111	0.105	0.103	5.51
33)	C	4-Chloro-3-methyl	0.408	0.455	0.462	0.448	0.480		0.451	5.89
34)		2-Methylnaphthale	0.698	0.733	0.808	0.784	0.859		0.776	8.14
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.641	0.619	0.678	0.704	0.715		0.672	6.09
37)		Hexachlorocyclope		0.460	0.492	0.516	0.537	0.550	0.511	7.01
38)	C	2,4,6-Trichloroph	0.375	0.376	0.416	0.420	0.439		0.405	7.04
39)		2,4,5-Trichloroph	0.423	0.433	0.429	0.446	0.479		0.442	5.10
40)		1,1'-Biphenyl	1.261	1.286	1.390	1.386	1.476		1.360	6.39
41)		2-Chloronaphthale	1.018	1.019	1.064	1.078	1.150		1.066	5.09
42)		2-Nitroaniline	0.523	0.541	0.578	0.590	0.642		0.575	8.04
43)	S	Dimethylphthalate	1.453	1.361	1.495	1.449	1.572		1.466	5.22
44)		Dimethylphthalate	1.328	1.360	1.432	1.469	1.562		1.430	6.47
45)		2,6-Dinitrotoluen	0.236	0.235	0.294	0.287	0.317		0.274	13.43
46)	S	Acenaphthylene-d8	1.389	1.579	1.715	1.733	1.894		1.662	11.38
47)		Acenaphthylene	1.497	1.518	1.689	1.675	1.805		1.637	7.87
48)		3-Nitroaniline		0.204	0.233	0.253	0.264	0.219	0.235	10.39
49)	C	Acenaphthene	1.058	1.133	1.179	1.220	1.285		1.175	7.31
50)		2,4-Dinitrophenol		0.155	0.206	0.201	0.232	0.239	0.207	16.08
51)	S	4-Nitrophenol-d4		0.198	0.239	0.229	0.264	0.266	0.239	11.76

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.468	0.538	0.511	0.558	0.535	0.522	6.56
53)		Dibenzofuran	1.694	1.709	1.870	1.771	1.907		1.790	5.31
54)		2,4-Dinitrotoluen	0.341	0.374	0.447	0.436	0.481		0.416	13.71
55)		2,3,4,6-Tetrachlo	0.362	0.404	0.435	0.444	0.485		0.426	10.77
56)		Diethylphthalate	1.399	1.510	1.647	1.613	1.753		1.584	8.53
57)	S	Fluorene-d10	1.249	1.273	1.395	1.364	1.484		1.353	7.04
58)		Fluorene	1.388	1.446	1.512	1.549	1.721		1.523	8.32
59)		4-Chlorophenyl-ph	0.814	0.790	0.897	0.884	0.969		0.871	8.18
60)		4-Nitroaniline		0.281	0.298	0.306	0.349	0.285	0.304	8.85
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.110	0.126	0.127	0.138	0.147	0.129	10.77
63)		4,6-Dinitro-2-met		0.101	0.127	0.133	0.145	0.150	0.131	14.70
64)		N-Nitrosodiphenyl	0.543	0.509	0.559	0.564	0.592		0.553	5.53
65)		4-Bromophenyl-phe	0.232	0.217	0.236	0.242	0.246		0.235	4.88
66)		Hexachlorobenzene	0.231	0.231	0.271	0.263	0.268		0.253	7.87
67)		Atrazine		0.215	0.251	0.253	0.262	0.267	0.250	8.27
68)	C	Pentachlorophenol		0.138	0.149	0.162	0.172	0.183	0.161	11.22
69)		Phenanthrene	1.037	1.014	1.099	1.109	1.152		1.082	5.16
70)	S	Anthracene-d10	0.916	0.871	0.966	0.991	1.034		0.956	6.66
71)		Anthracene	1.052	1.048	1.122	1.147	1.194		1.113	5.62
72)		Carbazole		0.908	0.970	0.975	1.022	1.071	0.989	6.16
73)		Di-n-butylphthala	1.039	1.044	1.223	1.241	1.308		1.171	10.45
74)	C	Fluoranthene		1.268	1.435	1.421	1.513	1.588	1.445	8.25
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.795	0.844	0.871	0.919	0.978		0.882	7.97
77)		Pyrene	1.013	1.055	1.086	1.150	1.230		1.107	7.70
78)		Butylbenzylphthal	0.350	0.362	0.408	0.442	0.492		0.411	14.17
79)		3,3'-Dichlorobenz		0.371	0.400	0.410	0.417	0.355	0.391	6.84
80)		Benzo(a)anthracen	1.088	1.098	1.187	1.167	1.241		1.156	5.49
81)		Bis(2-ethylhexyl)	0.474	0.518	0.579	0.614	0.688		0.575	14.50
82)		Chrysene	1.049	1.069	1.077	1.108	1.161		1.093	3.99
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.959	1.110	1.200	1.324	1.467	1.212	16.10
85)		Benzo(b)fluoranth	1.129	1.100	1.234	1.235	1.352		1.210	8.25
86)		Benzo(k)fluoranth	1.041	1.111	1.172	1.191	1.280		1.159	7.73
87)	S	Benzo(a)pyrene-d1	0.836	0.847	0.931	0.931	0.996		0.908	7.31
88)	C	Benzo(a)pyrene	1.091	1.086	1.183	1.162	1.258		1.156	6.15
89)		Indeno(1,2,3-cd)p	1.303	1.174	1.230	1.220	1.292		1.244	4.29
90)		Dibenzo(a,h)anthr	1.089	0.986	1.061	1.044	1.127		1.061	4.94
91)		Benzo(g,h,i)peryl	1.065	0.956	1.004	1.006	1.060		1.018	4.42

(#) = Out of Range