Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM080715.M
Title : SVOA CALIBRATION
Last Update : Tue Aug 11 01:34:33 2015
Response Via : Initial Calibration

Calibration Files
5 =BM002249.D 10 =BM002250.D 20 =BM002251.D
40 =BM002252.D 80 =BM002253.D 160 =BM002254.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.554	0.506	0.474	0.469	0.436		0.488	9.13
3)	S	1,4-Dioxane-d8	0.470	0.423	0.431	0.429	0.413		0.433	5.08
4)		Benzaldehyde		1.248	1.206	1.181	1.015	0.687	1.067	21.58
5)	S	Phenol-d5		1.772	1.841	1.828	1.800	1.805	1.809	1.47
6)		Phenol		1.827	1.890	1.867	1.837	1.847	1.854	1.37
7)	S	Bis-(2-Chloroethy		1.078	1.102	1.078	1.047	1.036	1.068	2.47
8)		Bis(2-Chloroethyl		1.441	1.464	1.448	1.405	1.380	1.427	2.40
9)	S	2-Chlorophenol-d4	1.479	1.469	1.517	1.511	1.498		1.495	1.37
10)		2-Chlorophenol	1.538	1.505	1.538	1.530	1.513		1.525	0.97
11)		2-Methylphenol		1.449	1.508	1.478	1.454	1.446	1.467	1.79
12)		2,2'-oxybis(1-Chl		2.597	2.665	2.570	2.473	2.419	2.545	3.86
13)	S	4-Methylphenol-d8		1.532	1.601	1.560	1.529	1.526	1.550	2.04
14)		Acetophenone		2.361	2.440	2.350	2.228	2.163	2.309	4.81
15)	P	N-Nitroso-di-n-pr	1.262	1.247	1.293	1.224	1.173		1.240	3.62
16)		4-Methylphenol		1.591	1.655	1.622	1.579	1.584	1.606	1.98
17)		Hexachloroethane	0.627	0.603	0.603	0.596	0.582		0.602	2.70
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.151	0.147	0.149	0.150	0.152		0.150	1.35
20)		Nitrobenzene	0.344	0.343	0.351	0.352	0.350		0.348	1.24
21)		Isophorone	0.713	0.699	0.710	0.683	0.664		0.694	2.95
22)	S	2-Nitrophenol-d4	0.124	0.124	0.133	0.137	0.145		0.133	6.71
23)	C	2-Nitrophenol	0.137	0.142	0.153	0.158	0.163		0.151	7.21
24)		2,4-Dimethylpheno	0.373	0.369	0.378	0.369	0.362		0.370	1.63
25)		Bis(2-Chloroethox	0.438	0.436	0.438	0.424	0.411		0.429	2.82
26)	S	2,4-Dichloropheno	0.290	0.288	0.295	0.292	0.289		0.291	0.98
27)	C	2,4-Dichloropheno	0.276	0.276	0.284	0.282	0.279		0.280	1.34
28)		Naphthalene	1.086	1.063	1.073	1.040	1.003		1.053	3.09
29)	S	4-Chloroaniline-d		0.370	0.460	0.430	0.388	0.283	0.386	17.51
30)		4-Chloroaniline		0.361	0.457	0.425	0.387	0.287	0.383	17.05
31)	C	Hexachlorobutadie	0.167	0.163	0.164	0.159	0.154		0.162	3.10
32)		Caprolactam		0.117	0.120	0.116	0.113	0.111	0.115	2.82
33)	C	4-Chloro-3-methyl	0.351	0.353	0.360	0.350	0.338		0.350	2.23
34)		2-Methylnaphthale	0.778	0.765	0.770	0.741	0.707		0.752	3.81
35)		1-Methylnaphthale	0.762	0.755	0.765	0.729	0.696		0.741	3.92
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.575	0.581	0.588	0.576	0.551		0.574	2.37
38)		Hexachlorocyclope		0.338	0.343	0.346	0.341	0.331	0.340	1.73
39)	C	2,4,6-Trichloroph	0.351	0.355	0.367	0.360	0.355		0.358	1.73
40)		2,4,5-Trichloroph	0.396	0.407	0.403	0.404	0.396		0.401	1.25
41)		1,1'-Biphenyl	1.738	1.730	1.733	1.678	1.577		1.691	4.03
42)		2-Chloronaphthale	1.308	1.299	1.317	1.284	1.218		1.285	3.07
43)		2-Nitroaniline	0.361	0.377	0.392	0.408	0.411		0.390	5.39
44)	S	Dimethylphthalate	1.714	1.683	1.684	1.618	1.533		1.646	4.39
45)		Dimethylphthalate	1.756	1.722	1.726	1.647	1.548		1.680	4.98
46)		2,6-Dinitrotoluen	0.283	0.302	0.318	0.334	0.336		0.315	7.08
47)	S	Acenaphthylene-d8	2.135	2.117	2.128	2.060	1.921		2.072	4.33
48)		Acenaphthylene	2.199	2.205	2.217	2.132	2.002		2.151	4.16
49)		3-Nitroaniline		0.314	0.372	0.380	0.348	0.287	0.340	11.62
50)	C	Acenaphthene	1.482	1.474	1.495	1.438	1.345		1.447	4.21
51)		2,4-Dinitrophenol		0.078	0.090	0.108	0.128	0.139	0.109	23.47

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.275	0.292	0.306	0.308	0.304	0.297	4.67
53)		4-Nitrophenol		0.207	0.221	0.224	0.222	0.216	0.218	3.12
54)		Dibenzofuran	1.998	1.970	1.990	1.905	1.791		1.931	4.48
55)		2,4-Dinitrotoluen	0.383	0.424	0.457	0.481	0.487		0.446	9.71
56)		2,3,4,6-Tetrachlo	0.290	0.294	0.313	0.315	0.315		0.305	4.01
57)		Diethylphthalate	1.868	1.856	1.842	1.762	1.653		1.796	5.02
58)	S	Fluorene-d10	1.515	1.494	1.482	1.411	1.303		1.441	6.00
59)		Fluorene	1.697	1.688	1.680	1.599	1.483		1.629	5.58
60)		4-Chlorophenyl-ph	0.781	0.769	0.770	0.732	0.683		0.747	5.39
61)		4-Nitroaniline		0.366	0.397	0.417	0.405	0.383	0.394	5.02
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.058	0.067	0.081	0.091	0.095	0.079	19.89
64)		4,6-Dinitro-2-met		0.065	0.078	0.091	0.101	0.106	0.088	18.94
65)		N-Nitrosodiphenyl	0.681	0.677	0.674	0.642	0.605		0.656	4.95
66)		4-Bromophenyl-phe	0.216	0.212	0.215	0.205	0.197		0.209	3.67
67)		Hexachlorobenzene	0.246	0.242	0.246	0.233	0.223		0.238	4.16
68)		Atrazine		0.244	0.246	0.234	0.220	0.198	0.228	8.68
69)	C	Pentachlorophenol		0.106	0.113	0.118	0.122	0.124	0.117	6.27
70)		Phenanthrene	1.198	1.190	1.192	1.125	1.050		1.151	5.54
71)	S	Anthracene-d10	1.014	1.006	1.003	0.949	0.880		0.970	5.86
72)		Anthracene	1.246	1.231	1.234	1.160	1.074		1.189	6.11
73)		1,2,3,4-Tetrachlo	0.277	0.273	0.279	0.271	0.262		0.272	2.41
74)		Pentachlorobenzen	0.271	0.267	0.271	0.258	0.248		0.263	3.72
75)		Carbazole		1.166	1.163	1.093	1.018	0.939	1.076	9.06
76)		Di-n-butylphthala	1.499	1.516	1.507	1.412	1.281		1.443	6.90
77)	C	Fluoranthene		1.328	1.335	1.253	1.141	1.034	1.218	10.63
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.983	0.999	1.005	0.955	0.907		0.970	4.13
80)		Pyrene	1.326	1.335	1.346	1.283	1.176		1.293	5.38
81)		Butylbenzylphthal	0.632	0.642	0.653	0.644	0.622		0.639	1.81
82)		3,3'-Dichlorobenz		0.411	0.434	0.408	0.352	0.316	0.384	12.63
83)		Benzo(a)anthracen	1.275	1.247	1.256	1.202	1.125		1.221	4.91
84)		Bis(2-ethylhexyl)	0.936	0.935	0.945	0.921	0.882		0.924	2.67
85)		Chrysene	1.211	1.185	1.187	1.143	1.059		1.157	5.20
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.592	1.596	1.553	1.506	1.388	1.527	5.63
88)		Benzo(b)fluoranth	1.286	1.281	1.251	1.205	1.192		1.243	3.46
89)		Benzo(k)fluoranth	1.218	1.206	1.242	1.200	1.102		1.194	4.49
90)	S	Benzo(a)pyrene-d1	1.088	1.078	1.081	1.053	1.010		1.062	3.01
91)	C	Benzo(a)pyrene	1.229	1.214	1.217	1.175	1.112		1.189	4.04
92)		Indeno(1,2,3-cd)p	1.429	1.411	1.429	1.367	1.182		1.363	7.67
93)		Dibenzo(a,h)anthr	1.213	1.207	1.213	1.151	0.992		1.155	8.23
94)		Benzo(g,h,i)peryl	1.202	1.185	1.212	1.162	0.990		1.150	7.98

(#) = Out of Range