Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM080415.M
Title : SVOA CALIBRATION
Last Update : Thu Aug 06 01:44:45 2015
Response Via : Initial Calibration

Calibration Files
5 =BM002211.D 10 =BM002212.D 20 =BM002235.D
40 =BM002214.D 80 =BM002215.D 160 =BM002216.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.381	0.360	0.355	0.369	0.352		0.363	3.28
3)	S	1,4-Dioxane-d8	0.355	0.372	0.336	0.351	0.346		0.352	3.77
4)		Benzaldehyde		0.817	0.795	0.821	0.804	0.483	0.744	19.66
5)	S	Phenol-d5		1.497	1.424	1.481	1.578	1.449	1.486	3.95
6)		Phenol		1.530	1.449	1.504	1.597	1.465	1.509	3.90
7)	S	Bis-(2-Chloroethy		0.808	0.754	0.760	0.798	0.763	0.777	3.19
8)		Bis(2-Chloroethyl		1.121	1.062	1.084	1.145	1.087	1.100	2.98
9)	S	2-Chlorophenol-d4	1.257	1.290	1.205	1.254	1.340		1.269	3.94
10)		2-Chlorophenol	1.246	1.291	1.197	1.256	1.329		1.264	3.92
11)		2-Methylphenol		1.221	1.143	1.194	1.255	1.124	1.187	4.57
12)		2,2'-oxybis(1-Chl		1.116	1.039	1.049	1.112	1.030	1.069	3.87
13)	S	4-Methylphenol-d8		1.291	1.197	1.240	1.308	1.134	1.234	5.75
14)		Acetophenone		2.086	1.894	1.942	2.054	1.803	1.956	5.94
15)	P	N-Nitroso-di-n-pr	1.022	1.030	0.930	0.951	1.013		0.989	4.59
16)		4-Methylphenol		1.360	1.267	1.296	1.393	1.207	1.305	5.67
17)		Hexachloroethane	0.504	0.492	0.467	0.487	0.503		0.491	3.05
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.143	0.145	0.141	0.145	0.150		0.145	2.37
20)		Nitrobenzene	0.322	0.325	0.317	0.322	0.333		0.324	1.79
21)		Isophorone	0.657	0.661	0.606	0.608	0.624		0.631	4.16
22)	S	2-Nitrophenol-d4	0.169	0.172	0.165	0.171	0.178		0.171	2.83
23)	C	2-Nitrophenol	0.175	0.185	0.177	0.180	0.187		0.181	2.82
24)		2,4-Dimethylpheno	0.344	0.363	0.338	0.348	0.358		0.350	2.92
25)		Bis(2-Chloroethox	0.375	0.378	0.354	0.351	0.366		0.365	3.28
26)	S	2,4-Dichloropheno	0.320	0.330	0.318	0.325	0.342		0.327	2.99
27)	C	2,4-Dichloropheno	0.302	0.319	0.303	0.308	0.323		0.311	3.05
28)		Naphthalene	0.954	0.968	0.919	0.927	0.962		0.946	2.32
29)	S	4-Chloroaniline-d		0.389	0.379	0.382	0.366	0.295	0.362	10.69
30)		4-Chloroaniline		0.410	0.391	0.399	0.380	0.310	0.378	10.47
31)	C	Hexachlorobutadie	0.219	0.220	0.214	0.220	0.225		0.220	1.71
32)		Caprolactam		0.096	0.079	0.081	0.082	0.080	0.084	8.43
33)	C	4-Chloro-3-methyl	0.325	0.343	0.302	0.306	0.314		0.318	5.10
34)		2-Methylnaphthale	0.749	0.767	0.703	0.698	0.724		0.728	4.04
35)		1-Methylnaphthale	0.711	0.730	0.671	0.672	0.693		0.696	3.64
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.661	0.661	0.681	0.702	0.732		0.687	4.42
38)		Hexachlorocyclope		0.164	0.238	0.284	0.362	0.400	0.290	32.63
39)	C	2,4,6-Trichloroph	0.414	0.417	0.412	0.423	0.434		0.420	2.15
40)		2,4,5-Trichloroph	0.433	0.443	0.435	0.445	0.466		0.444	2.97
41)		1,1'-Biphenyl	1.520	1.521	1.502	1.549	1.597		1.538	2.40
42)		2-Chloronaphthale	1.179	1.183	1.153	1.203	1.233		1.190	2.52
43)		2-Nitroaniline	0.291	0.315	0.292	0.306	0.306		0.302	3.42
44)	S	Dimethylphthalate	1.495	1.533	1.388	1.425	1.434		1.455	4.00
45)		Dimethylphthalate	1.500	1.522	1.399	1.413	1.420		1.451	3.86
46)		2,6-Dinitrotoluen	0.298	0.313	0.290	0.301	0.308		0.302	2.88
47)	S	Acenaphthylene-d8	1.836	1.872	1.782	1.833	1.870		1.839	1.99
48)		Acenaphthylene	1.874	1.911	1.810	1.880	1.901		1.875	2.10
49)		3-Nitroaniline		0.272	0.272	0.287	0.267	0.254	0.271	4.38
50)	C	Acenaphthene	1.236	1.256	1.180	1.216	1.236		1.225	2.34
51)		2,4-Dinitrophenol		0.072	0.114	0.121	0.148	0.172	0.125	30.00

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.186	0.171	0.185	0.191	0.210	0.188	7.57
53)		4-Nitrophenol		0.166	0.150	0.160	0.164	0.185	0.165	7.77
54)		Dibenzofuran	1.795	1.822	1.712	1.753	1.794		1.775	2.41
55)		2,4-Dinitrotoluen	0.431	0.464	0.411	0.418	0.421		0.429	4.83
56)		2,3,4,6-Tetrachlo	0.291	0.305	0.294	0.314	0.331		0.307	5.22
57)		Diethylphthalate	1.468	1.514	1.311	1.344	1.338		1.395	6.45
58)	S	Fluorene-d10	1.326	1.355	1.233	1.258	1.253		1.285	4.11
59)		Fluorene	1.483	1.535	1.393	1.425	1.462		1.460	3.74
60)		4-Chlorophenyl-ph	0.791	0.803	0.753	0.768	0.786		0.780	2.53
61)		4-Nitroaniline		0.289	0.261	0.268	0.261	0.293	0.274	5.66
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.098	0.106	0.115	0.126	0.131	0.115	12.11
64)		4,6-Dinitro-2-met		0.101	0.106	0.116	0.129	0.134	0.117	12.08
65)		N-Nitrosodiphenyl	0.579	0.583	0.580	0.590	0.635		0.593	4.00
66)		4-Bromophenyl-phe	0.222	0.221	0.220	0.223	0.241		0.226	3.89
67)		Hexachlorobenzene	0.239	0.243	0.234	0.241	0.252		0.242	2.79
68)		Atrazine		0.230	0.208	0.218	0.223	0.216	0.219	3.74
69)	C	Pentachlorophenol		0.035	0.042	0.051	0.067	0.075	0.054	31.07#
70)		Phenanthrene	1.043	1.035	0.990	1.017	1.050		1.027	2.35
71)	S	Anthracene-d10	0.901	0.909	0.851	0.878	0.911		0.890	2.87
72)		Anthracene	1.059	1.061	1.012	1.040	1.077		1.050	2.36
73)		1,2,3,4-Tetrachlo	0.300	0.294	0.325	0.336	0.369		0.325	9.31
74)		Pentachlorobenzen	0.285	0.284	0.301	0.304	0.331		0.301	6.33
75)		Carbazole		0.906	0.827	0.850	0.871	0.919	0.875	4.38
76)		Di-n-butylphthala	1.048	1.085	0.980	1.008	1.047		1.034	3.92
77)	C	Fluoranthene		1.179	1.042	1.095	1.090	1.213	1.124	6.25
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.992	0.985	0.947	0.898	0.965		0.957	3.93
80)		Pyrene	1.283	1.260	1.224	1.149	1.231		1.229	4.12
81)		Butylbenzylphthal	0.450	0.467	0.428	0.420	0.451		0.443	4.25
82)		3,3'-Dichlorobenz		0.325	0.343	0.361	0.354	0.349	0.346	3.92
83)		Benzo(a)anthracen	1.146	1.163	1.089	1.080	1.124		1.120	3.17
84)		Bis(2-ethylhexyl)	0.625	0.654	0.610	0.609	0.654		0.631	3.60
85)		Chrysene	1.052	1.049	1.017	1.007	1.033		1.032	1.89
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.221	1.071	1.060	1.125	1.111	1.118	5.70
88)		Benzo(b)fluoranth	1.182	1.167	1.078	1.072	1.136		1.127	4.46
89)		Benzo(k)fluoranth	1.135	1.158	1.035	1.052	1.075		1.091	4.87
90)	S	Benzo(a)pyrene-d1	1.004	0.991	0.926	0.953	0.982		0.971	3.23
91)	C	Benzo(a)pyrene	1.099	1.105	1.036	1.049	1.091		1.076	2.92
92)		Indeno(1,2,3-cd)p	1.208	1.138	1.191	1.239	1.287		1.213	4.58
93)		Dibenzo(a,h)anthr	1.011	0.971	1.027	1.060	1.101		1.034	4.75
94)		Benzo(g,h,i)peryl	1.002	0.943	1.004	1.029	1.072		1.010	4.65

(#) = Out of Range