Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\Methods\
Method File : SOM02.2-EPA-BM031115.M
Title : SVOA CALIBRATION
Last Update : Thu Mar 12 07:14:19 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000683.D 10 =BM000684.D 20 =BM000690.D
40 =BM000686.D 80 =BM000687.D 160 =BM000688.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.553	0.479	0.491	0.466	0.475		0.493	7.10
3)	S	1,4-Dioxane-d8	0.426	0.419	0.417	0.398	0.410		0.414	2.60
4)		Benzaldehyde		0.808	0.888	0.898	0.846	0.734	0.835	7.99
5)	S	Phenol-d5		1.436	1.536	1.515	1.547	1.558	1.518	3.21
6)		Phenol		1.623	1.693	1.665	1.668	1.680	1.666	1.57
7)	S	Bis-(2-Chloroethy		0.912	0.937	0.885	0.897	0.893	0.905	2.29
8)		Bis(2-Chloroethyl		1.289	1.316	1.272	1.271	1.264	1.283	1.64
9)	S	2-Chlorophenol-d4	1.155	1.191	1.260	1.232	1.251		1.218	3.61
10)		2-Chlorophenol	1.296	1.299	1.371	1.330	1.340		1.327	2.35
11)		2-Methylphenol		1.157	1.258	1.250	1.257	1.273	1.239	3.77
12)		2,2'-oxybis(1-Chl		2.257	2.289	2.203	2.135	2.136	2.204	3.15
13)	S	4-Methylphenol-d8		1.120	1.202	1.188	1.197	1.220	1.185	3.22
14)		Acetophenone		1.848	2.008	1.946	1.934	1.923	1.932	2.95
15)	P	N-Nitroso-di-n-pr	0.792	0.823	0.949	0.941	0.936		0.888	8.42
16)		4-Methylphenol		1.305	1.367	1.334	1.351	1.369	1.345	1.98
17)		Hexachloroethane	0.498	0.502	0.527	0.512	0.514		0.510	2.24
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.115	0.112	0.132	0.139	0.144		0.128	11.05
20)		Nitrobenzene	0.319	0.318	0.365	0.361	0.362		0.345	7.02
21)		Isophorone	0.488	0.519	0.600	0.612	0.626		0.569	10.84
22)	S	2-Nitrophenol-d4	0.116	0.118	0.149	0.153	0.162		0.139	15.12
23)	C	2-Nitrophenol	0.136	0.148	0.173	0.174	0.181		0.162	11.81
24)		2,4-Dimethylpheno	0.332	0.336	0.363	0.354	0.354		0.348	3.78
25)		Bis(2-Chloroethox	0.388	0.376	0.407	0.396	0.393		0.392	2.90
26)	S	2,4-Dichloropheno	0.260	0.265	0.293	0.295	0.298		0.282	6.48
27)	C	2,4-Dichloropheno	0.277	0.272	0.304	0.299	0.301		0.291	5.19
28)		Naphthalene	1.138	1.052	1.112	1.059	1.044		1.081	3.86
29)	S	4-Chloroaniline-d		0.251	0.340	0.362	0.342	0.312	0.321	13.48
30)		4-Chloroaniline		0.260	0.360	0.378	0.349	0.320	0.333	13.87
31)	C	Hexachlorobutadie	0.198	0.173	0.185	0.180	0.176		0.182	5.36
32)		Caprolactam		0.058	0.076	0.086	0.087	0.093	0.080	17.49
33)	C	4-Chloro-3-methyl	0.269	0.279	0.315	0.312	0.317		0.298	7.65
34)		2-Methylnaphthale	0.748	0.722	0.770	0.731	0.721		0.739	2.81
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.653	0.606	0.636	0.603	0.587		0.617	4.35
37)		Hexachlorocyclope		0.296	0.337	0.343	0.355	0.376	0.341	8.57
38)	C	2,4,6-Trichloroph	0.251	0.287	0.351	0.364	0.378		0.326	16.74
39)		2,4,5-Trichloroph	0.319	0.353	0.399	0.407	0.411		0.378	10.60
40)		1,1'-Biphenyl	1.765	1.646	1.736	1.643	1.606		1.679	4.03
41)		2-Chloronaphthale	1.328	1.257	1.337	1.269	1.240		1.286	3.37
42)		2-Nitroaniline	0.206	0.245	0.316	0.351	0.366		0.297	23.19
43)	S	Dimethylphthalate	1.167	1.231	1.357	1.333	1.312		1.280	6.18
44)		Dimethylphthalate	1.432	1.489	1.592	1.525	1.480		1.503	3.96
45)		2,6-Dinitrotoluen	0.195	0.237	0.290	0.312	0.322		0.271	19.77
46)	S	Acenaphthylene-d8	1.755	1.779	1.946	1.902	1.870		1.850	4.37
47)		Acenaphthylene	2.038	2.043	2.198	2.121	2.061		2.092	3.23
48)		3-Nitroaniline		0.205	0.275	0.316	0.301	0.286	0.277	15.45
49)	C	Acenaphthene	1.445	1.353	1.432	1.370	1.325		1.385	3.72
50)		2,4-Dinitrophenol		0.075	0.125	0.159	0.190	0.214	0.153	35.91
51)	S	4-Nitrophenol-d4		0.198	0.256	0.277	0.290	0.304	0.265	15.56

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.154	0.190	0.206	0.215	0.219	0.197	13.46
53)		Dibenzofuran	2.020	1.947	2.027	1.935	1.863		1.958	3.45
54)		2,4-Dinitrotoluen	0.306	0.372	0.448	0.466	0.466		0.412	17.16
55)		2,3,4,6-Tetrachlo	0.225	0.277	0.321	0.338	0.347		0.302	16.84
56)		Diethylphthalate	1.328	1.374	1.530	1.532	1.484		1.450	6.45
57)	S	Fluorene-d10	1.383	1.323	1.386	1.332	1.287		1.342	3.15
58)		Fluorene	1.650	1.594	1.672	1.590	1.536		1.608	3.35
59)		4-Chlorophenyl-ph	0.783	0.766	0.790	0.753	0.715		0.761	3.89
60)		4-Nitroaniline		0.245	0.321	0.359	0.363	0.350	0.328	14.90
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.081	0.105	0.112	0.122	0.125	0.109	16.07
63)		4,6-Dinitro-2-met		0.095	0.123	0.125	0.131	0.134	0.122	12.83
64)		N-Nitrosodiphenyl	0.598	0.587	0.631	0.608	0.595		0.604	2.81
65)		4-Bromophenyl-phe	0.192	0.182	0.193	0.193	0.187		0.189	2.43
66)		Hexachlorobenzene	0.218	0.204	0.222	0.213	0.208		0.213	3.27
67)		Atrazine		0.172	0.198	0.205	0.209	0.206	0.198	7.64
68)	C	Pentachlorophenol		0.074	0.104	0.116	0.128	0.135	0.112	21.70#
69)		Phenanthrene	1.216	1.133	1.185	1.138	1.110		1.156	3.72
70)	S	Anthracene-d10	0.923	0.880	0.952	0.921	0.908		0.917	2.84
71)		Anthracene	1.210	1.134	1.216	1.174	1.144		1.176	3.16
72)		Carbazole		1.014	1.096	1.069	1.067	1.020	1.053	3.31
73)		Di-n-butylphthala	0.822	0.910	1.094	1.182	1.183		1.038	15.80
74)	C	Fluoranthene		1.224	1.325	1.301	1.294	1.205	1.269	4.11
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.887	0.885	0.940	0.916	0.868		0.899	3.16
77)		Pyrene	1.281	1.260	1.325	1.260	1.196		1.264	3.67
78)		Butylbenzylphthal	0.278	0.330	0.433	0.485	0.492		0.404	23.69
79)		3,3'-Dichlorobenz		0.248	0.311	0.350	0.328	0.281	0.304	13.16
80)		Benzo(a)anthracen	1.179	1.158	1.227	1.192	1.139		1.179	2.85
81)		Bis(2-ethylhexyl)	0.424	0.493	0.634	0.717	0.709		0.595	22.07
82)		Chrysene	1.180	1.137	1.182	1.129	1.086		1.143	3.48
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.932	1.171	1.337	1.316	1.320	1.215	14.15
85)		Benzo(b)fluoranth	1.223	1.196	1.279	1.203	1.187		1.218	3.02
86)		Benzo(k)fluoranth	1.179	1.125	1.222	1.215	1.164		1.181	3.36
87)	S	Benzo(a)pyrene-d1	0.844	0.826	0.919	0.894	0.881		0.873	4.30
88)	C	Benzo(a)pyrene	1.179	1.149	1.222	1.187	1.145		1.176	2.69
89)		Indeno(1,2,3-cd)p	1.273	1.242	1.355	1.315	1.291		1.295	3.29
90)		Dibenzo(a,h)anthr	1.072	1.053	1.160	1.115	1.092		1.098	3.80
91)		Benzo(g,h,i)peryl	1.109	1.068	1.154	1.112	1.103		1.109	2.75

(#) = Out of Range