Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM061515.M
Title : SVOA CALIBRATION
Last Update : Thu Jun 18 03:27:43 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001695.D 10 =BM001696.D 20 =BM001716.D
40 =BM001698.D 80 =BM001699.D 160 =BM001700.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.580	0.478	0.452	0.441	0.444		0.479	12.22
3)	S	1,4-Dioxane-d8	0.450	0.402	0.405	0.415	0.425		0.419	4.53
4)		Benzaldehyde		1.042	1.002	1.028	1.014	0.937	1.005	4.02
5)	S	Phenol-d5		1.469	1.422	1.509	1.593	1.686	1.536	6.83
6)		Phenol		1.538	1.480	1.554	1.637	1.718	1.585	5.85
7)	S	Bis-(2-Chloroethy		0.876	0.822	0.839	0.865	0.900	0.860	3.58
8)		Bis(2-Chloroethyl		1.206	1.140	1.160	1.199	1.250	1.191	3.61
9)	S	2-Chlorophenol-d4	1.275	1.185	1.125	1.205	1.283		1.215	5.40
10)		2-Chlorophenol	1.342	1.227	1.186	1.235	1.298		1.258	4.92
11)		2-Methylphenol		1.114	1.088	1.155	1.224	1.287	1.174	6.94
12)		2,2'-oxybis(1-Chl		1.484	1.421	1.420	1.467	1.498	1.458	2.47
13)	S	4-Methylphenol-d8		1.175	1.138	1.206	1.297	1.349	1.233	7.07
14)		Acetophenone		1.944	1.842	1.917	1.992	2.092	1.957	4.74
15)	P	N-Nitroso-di-n-pr	0.975	0.920	0.913	0.960	1.014		0.956	4.35
16)		4-Methylphenol		1.226	1.193	1.239	1.329	1.389	1.275	6.37
17)		Hexachloroethane	0.515	0.497	0.479	0.504	0.530		0.505	3.76
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.138	0.131	0.135	0.142	0.147		0.138	4.57
20)		Nitrobenzene	0.380	0.370	0.362	0.375	0.387		0.375	2.59
21)		Isophorone	0.627	0.598	0.608	0.631	0.667		0.626	4.21
22)	S	2-Nitrophenol-d4	0.144	0.140	0.147	0.158	0.169		0.151	7.69
23)	C	2-Nitrophenol	0.159	0.156	0.160	0.171	0.183		0.166	6.82
24)		2,4-Dimethylpheno	0.402	0.367	0.374	0.379	0.393		0.383	3.70
25)		Bis(2-Chloroethox	0.418	0.388	0.372	0.387	0.388		0.391	4.34
26)	S	2,4-Dichloropheno	0.324	0.318	0.308	0.328	0.342		0.324	3.82
27)	C	2,4-Dichloropheno	0.318	0.316	0.302	0.310	0.326		0.314	2.91
28)		Naphthalene	1.107	1.006	0.964	0.981	0.992		1.010	5.60
29)	S	4-Chloroaniline-d		0.274	0.320	0.371	0.352	0.331	0.330	11.15
30)		4-Chloroaniline		0.285	0.328	0.374	0.356	0.331	0.335	10.03
31)	C	Hexachlorobutadie	0.266	0.240	0.230	0.233	0.236		0.241	6.04
32)		Caprolactam		0.080	0.085	0.095	0.102	0.107	0.094	12.14
33)	C	4-Chloro-3-methyl	0.333	0.321	0.324	0.338	0.357		0.335	4.19
34)		2-Methylnaphthale	0.782	0.726	0.705	0.709	0.728		0.730	4.22
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.800	0.762	0.706	0.727	0.743		0.747	4.80
37)		Hexachlorocyclope		0.413	0.412	0.446	0.472	0.515	0.452	9.58
38)	C	2,4,6-Trichloroph	0.429	0.425	0.411	0.440	0.468		0.435	4.95
39)		2,4,5-Trichloroph	0.465	0.473	0.441	0.488	0.512		0.476	5.56
40)		1,1'-Biphenyl	1.765	1.645	1.527	1.599	1.627		1.632	5.30
41)		2-Chloronaphthale	1.400	1.278	1.199	1.250	1.272		1.280	5.77
42)		2-Nitroaniline	0.303	0.305	0.327	0.364	0.398		0.339	12.08
43)	S	Dimethylphthalate	1.573	1.467	1.404	1.461	1.510		1.483	4.23
44)		Dimethylphthalate	1.731	1.620	1.521	1.598	1.634		1.621	4.66
45)		2,6-Dinitrotoluen	0.283	0.281	0.294	0.319	0.347		0.305	9.27
46)	S	Acenaphthylene-d8	2.015	1.938	1.838	1.935	1.995		1.944	3.55
47)		Acenaphthylene	2.121	1.975	1.857	1.948	2.010		1.982	4.83
48)		3-Nitroaniline		0.252	0.264	0.306	0.308	0.294	0.285	8.99
49)	C	Acenaphthene	1.430	1.323	1.251	1.288	1.331		1.325	5.05
50)		2,4-Dinitrophenol		0.140	0.156	0.184	0.218	0.246	0.189	23.13
51)	S	4-Nitrophenol-d4		0.244	0.249	0.272	0.291	0.312	0.274	10.39

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.258	0.257	0.283	0.300	0.316	0.283	9.13
53)		Dibenzofuran	2.101	1.929	1.769	1.821	1.864		1.897	6.77
54)		2,4-Dinitrotoluen	0.415	0.437	0.435	0.461	0.499		0.449	7.15
55)		2,3,4,6-Tetrachlo	0.426	0.389	0.392	0.412	0.438		0.411	5.18
56)		Diethylphthalate	1.626	1.498	1.468	1.532	1.583		1.541	4.14
57)	S	Fluorene-d10	1.533	1.362	1.285	1.333	1.368		1.376	6.81
58)		Fluorene	1.708	1.575	1.485	1.533	1.593		1.579	5.28
59)		4-Chlorophenyl-ph	0.946	0.848	0.801	0.815	0.846		0.851	6.66
60)		4-Nitroaniline		0.303	0.300	0.338	0.346	0.328	0.323	6.38
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.100	0.107	0.121	0.134	0.149	0.122	16.36
63)		4,6-Dinitro-2-met		0.111	0.115	0.128	0.141	0.155	0.130	14.10
64)		N-Nitrosodiphenyl	0.605	0.586	0.550	0.584	0.596		0.584	3.58
65)		4-Bromophenyl-phe	0.237	0.224	0.207	0.221	0.227		0.223	4.84
66)		Hexachlorobenzene	0.269	0.250	0.235	0.247	0.252		0.251	4.82
67)		Atrazine		0.217	0.218	0.236	0.248	0.259	0.235	7.78
68)	C	Pentachlorophenol		0.129	0.134	0.152	0.168	0.185	0.154	15.17
69)		Phenanthrene	1.170	1.090	1.014	1.060	1.089		1.084	5.27
70)	S	Anthracene-d10	0.978	0.926	0.881	0.925	0.947		0.932	3.80
71)		Anthracene	1.181	1.101	1.054	1.096	1.134		1.113	4.26
72)		1,2,3,4-Tetrachlo	0.327	0.317	0.293	0.318	0.317		0.314	4.05
73)		Pentachlorobenzen	0.327	0.298	0.279	0.287	0.291		0.296	6.10
74)		Carbazole		0.942	0.920	0.968	0.995	1.060	0.977	5.52
75)		Di-n-butylphthala	1.007	0.981	0.987	1.084	1.158		1.044	7.27
76)	C	Fluoranthene		1.261	1.210	1.276	1.320	1.418	1.297	6.03
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.892	0.839	0.796	0.846	0.862		0.847	4.16
79)		Pyrene	1.173	1.117	1.046	1.092	1.119		1.110	4.15
80)		Butylbenzylphthal	0.327	0.328	0.341	0.391	0.423		0.362	11.83
81)		3,3'-Dichlorobenz		0.326	0.331	0.377	0.381	0.362	0.355	7.17
82)		Benzo(a)anthracen	1.252	1.165	1.113	1.143	1.170		1.169	4.42
83)		Bis(2-ethylhexyl)	0.496	0.482	0.511	0.588	0.645		0.544	12.77
84)		Chrysene	1.209	1.106	1.050	1.072	1.101		1.108	5.49
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		0.819	0.876	0.974	1.076	1.169	0.983	14.54
87)		Benzo(b)fluoranth	1.207	1.133	1.132	1.168	1.182		1.164	2.75
88)		Benzo(k)fluoranth	1.222	1.115	1.056	1.078	1.154		1.125	5.84
89)	S	Benzo(a)pyrene-d1	0.908	0.852	0.854	0.874	0.920		0.882	3.49
90)	C	Benzo(a)pyrene	1.187	1.114	1.087	1.112	1.164		1.133	3.63
91)		Indeno(1,2,3-cd)p	1.376	1.314	1.297	1.330	1.398		1.343	3.18
92)		Dibenzo(a,h)anthr	1.151	1.106	1.099	1.125	1.184		1.133	3.06
93)		Benzo(g,h,i)peryl	1.163	1.122	1.094	1.107	1.160		1.129	2.76

(#) = Out of Range