Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM022216.M
Title : SVOA CALIBRATION
Last Update : Tue Feb 23 07:03:02 2016
Response Via : Initial Calibration

Calibration Files
5 =BM004311.D 10 =BM004312.D 20 =BM004329.D
40 =BM004314.D 80 =BM004315.D 160 =BM004316.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.441	0.416	0.464	0.436	0.430		0.437	4.00
3)	S	1,4-Dioxane-d8	0.334	0.371	0.407	0.398	0.387		0.379	7.55
4)		Benzaldehyde		1.031	1.089	1.073	0.917	0.427	0.907	30.52
5)	S	Phenol-d5		1.578	1.717	1.725	1.730	1.635	1.677	4.03
6)		Phenol		1.719	1.837	1.847	1.832	1.707	1.788	3.87
7)	S	Bis-(2-Chloroethy		0.858	0.894	0.866	0.848	0.798	0.853	4.08
8)		Bis(2-Chloroethyl		1.372	1.376	1.343	1.299	1.230	1.324	4.60
9)	S	2-Chlorophenol-d4	1.317	1.424	1.502	1.492	1.498		1.446	5.47
10)		2-Chlorophenol	1.383	1.497	1.546	1.553	1.538		1.503	4.70
11)		2-Methylphenol		1.419	1.482	1.509	1.493	1.388	1.458	3.57
12)		2,2'-oxybis(1-Chl		1.338	1.337	1.292	1.238	1.150	1.271	6.22
13)	S	4-Methylphenol-d8		1.463	1.536	1.544	1.523	1.427	1.499	3.42
14)		Acetophenone		2.432	2.514	2.426	2.320	2.050	2.348	7.69
15)	P	N-Nitroso-di-n-pr	1.090	1.135	1.183	1.145	1.087		1.128	3.56
16)		4-Methylphenol		1.558	1.674	1.669	1.627	1.468	1.599	5.42
17)		Hexachloroethane	0.554	0.569	0.588	0.580	0.566		0.571	2.29
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.135	0.144	0.160	0.162	0.160		0.152	7.94
20)		Nitrobenzene	0.301	0.330	0.351	0.344	0.337		0.333	5.74
21)		Isophorone	0.658	0.689	0.726	0.700	0.674		0.689	3.74
22)	S	2-Nitrophenol-d4	0.151	0.164	0.184	0.184	0.185		0.173	8.85
23)	C	2-Nitrophenol	0.168	0.190	0.208	0.206	0.204		0.195	8.50
24)		2,4-Dimethylpheno	0.363	0.393	0.408	0.397	0.388		0.390	4.32
25)		Bis(2-Chloroethox	0.403	0.421	0.435	0.418	0.400		0.415	3.46
26)	S	2,4-Dichloropheno	0.282	0.307	0.330	0.327	0.321		0.314	6.25
27)	C	2,4-Dichloropheno	0.304	0.324	0.349	0.340	0.334		0.330	5.15
28)		Naphthalene	1.103	1.141	1.169	1.106	1.057		1.115	3.80
29)	S	4-Chloroaniline-d		0.387	0.451	0.430	0.394	0.292	0.391	15.61
30)		4-Chloroaniline		0.413	0.479	0.455	0.409	0.302	0.412	16.51
31)	C	Hexachlorobutadie	0.206	0.209	0.215	0.208	0.199		0.207	2.85
32)		Caprolactam		0.107	0.119	0.118	0.119	0.112	0.115	4.84
33)	C	4-Chloro-3-methyl	0.362	0.384	0.409	0.393	0.385		0.387	4.34
34)		2-Methylnaphthale	0.829	0.852	0.878	0.826	0.787		0.834	4.03
35)		1-Methylnaphthale	0.795	0.806	0.837	0.784	0.747		0.794	4.13
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.643	0.670	0.690	0.674	0.648		0.665	2.92
38)		Hexachlorocyclope		0.129	0.201	0.273	0.306	0.331	0.248	33.27
39)	C	2,4,6-Trichloroph	0.410	0.421	0.450	0.447	0.433		0.432	3.91
40)		2,4,5-Trichloroph	0.428	0.452	0.496	0.487	0.482		0.469	6.08
41)		1,1'-Biphenyl	1.693	1.760	1.807	1.708	1.625		1.719	4.01
42)		2-Chloronaphthale	1.274	1.317	1.366	1.313	1.269		1.308	3.00
43)		2-Nitroaniline	0.272	0.312	0.353	0.356	0.355		0.330	11.24
44)	S	Dimethylphthalate	1.696	1.745	1.798	1.702	1.636		1.715	3.52
45)		Dimethylphthalate	1.780	1.826	1.872	1.769	1.697		1.789	3.67
46)		2,6-Dinitrotoluen	0.309	0.345	0.379	0.380	0.381		0.359	8.81
47)	S	Acenaphthylene-d8	1.931	2.014	2.112	2.026	1.958		2.008	3.50
48)		Acenaphthylene	2.130	2.220	2.311	2.190	2.074		2.185	4.12
49)		3-Nitroaniline		0.335	0.393	0.384	0.357	0.310	0.356	9.66
50)	C	Acenaphthene	1.491	1.534	1.566	1.475	1.395		1.492	4.36
51)		2,4-Dinitrophenol		0.083	0.133	0.173	0.206	0.219	0.163	34.31

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.241	0.276	0.284	0.293	0.285	0.276	7.35
53)		4-Nitrophenol		0.186	0.207	0.211	0.219	0.209	0.206	5.99
54)		Dibenzofuran	2.113	2.130	2.196	2.059	1.918		2.084	5.02
55)		2,4-Dinitrotoluen	0.491	0.528	0.574	0.551	0.535		0.536	5.73
56)		2,3,4,6-Tetrachlo	0.354	0.371	0.406	0.406	0.405		0.389	6.22
57)		Diethylphthalate	1.843	1.895	1.948	1.819	1.749		1.851	4.08
58)	S	Fluorene-d10	1.476	1.499	1.525	1.428	1.364		1.459	4.37
59)		Fluorene	1.772	1.799	1.826	1.682	1.556		1.727	6.36
60)		4-Chlorophenyl-ph	0.859	0.880	0.901	0.826	0.770		0.847	6.07
61)		4-Nitroaniline		0.356	0.411	0.401	0.385	0.365	0.384	6.04
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.099	0.121	0.130	0.134	0.130	0.123	11.38
64)		4,6-Dinitro-2-met		0.110	0.130	0.140	0.144	0.138	0.132	10.15
65)		N-Nitrosodiphenyl	0.637	0.647	0.674	0.639	0.602		0.640	4.04
66)		4-Bromophenyl-phe	0.214	0.216	0.228	0.221	0.210		0.218	3.08
67)		Hexachlorobenzene	0.237	0.245	0.255	0.242	0.232		0.242	3.64
68)		Atrazine		0.243	0.256	0.242	0.234	0.212	0.237	6.77
69)	C	Pentachlorophenol		0.075	0.090	0.099	0.105	0.110	0.096	14.16
70)		Phenanthrene	1.224	1.235	1.267	1.177	1.103		1.201	5.30
71)	S	Anthracene-d10	0.979	1.010	1.033	0.965	0.912		0.980	4.71
72)		Anthracene	1.226	1.265	1.293	1.199	1.119		1.220	5.50
73)		1,2,3,4-Tetrachlo	0.255	0.262	0.280	0.274	0.261		0.266	3.86
74)		Pentachlorobenzen	0.269	0.273	0.289	0.276	0.262		0.274	3.68
75)		Carbazole		1.128	1.149	1.079	1.033	0.929	1.064	8.22
76)		Di-n-butylphthala	1.657	1.521	1.491	1.404	1.309		1.476	8.85
77)	C	Fluoranthene		1.489	1.489	1.373	1.308	1.145	1.361	10.53
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.953	0.951	1.008	0.997	0.928		0.967	3.47
80)		Pyrene	1.301	1.302	1.372	1.337	1.224		1.307	4.19
81)		Butylbenzylphthal	0.550	0.560	0.599	0.599	0.569		0.575	3.92
82)		3,3'-Dichlorobenz		0.422	0.454	0.424	0.394	0.321	0.403	12.51
83)		Benzo(a)anthracen	1.283	1.310	1.341	1.275	1.225		1.287	3.35
84)		Bis(2-ethylhexyl)	0.843	0.857	0.899	0.858	0.794		0.850	4.46
85)		Chrysene	1.258	1.261	1.298	1.216	1.155		1.238	4.43
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.532	1.711	1.791	1.579	1.618	1.646	6.34
88)		Benzo(b)fluoranth	1.329	1.330	1.450	1.376	1.273		1.351	4.88
89)		Benzo(k)fluoranth	1.241	1.224	1.331	1.319	1.252		1.273	3.77
90)	S	Benzo(a)pyrene-d1	1.011	1.049	1.120	1.055	1.012		1.050	4.22
91)	C	Benzo(a)pyrene	1.220	1.266	1.337	1.265	1.192		1.256	4.39
92)		Indeno(1,2,3-cd)p	1.106	1.285	1.282	1.122	1.079		1.175	8.56
93)		Dibenzo(a,h)anthr	0.906	1.065	1.052	0.926	0.898		0.969	8.49
94)		Benzo(g,h,i)peryl	0.904	1.077	1.044	0.923	0.881		0.966	9.17

(#) = Out of Range