Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM092316.M
Title : SVOA CALIBRATION
Last Update : Mon Sep 26 03:32:16 2016
Response Via : Initial Calibration

Calibration Files
5 =BM007522.D 10 =BM007523.D 20 =BM007556.D
40 =BM007525.D 80 =BM007526.D 160 =BM007527.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.463	0.405	0.460	0.406	0.399		0.427	7.51
3)	S	1,4-Dioxane-d8	0.401	0.420	0.430	0.394	0.390		0.407	4.22
4)		Benzaldehyde		1.144	1.231	1.195	1.179	1.205	1.191	2.73
5)	S	Phenol-d5		1.590	1.731	1.776	1.827	1.954	1.775	7.50
6)		Phenol		1.642	1.785	1.786	1.843	1.951	1.801	6.20
7)	S	Bis-(2-Chloroethy		0.961	0.979	0.938	0.934	0.959	0.954	1.93
8)		Bis(2-Chloroethyl		1.264	1.321	1.264	1.282	1.320	1.290	2.22
9)	S	2-Chlorophenol-d4	1.169	1.241	1.338	1.321	1.377		1.289	6.48
10)		2-Chlorophenol	1.170	1.243	1.350	1.331	1.370		1.293	6.49
11)		2-Methylphenol		1.239	1.369	1.385	1.433	1.516	1.388	7.29
12)		2,2'-oxybis(1-Chl		1.396	1.476	1.392	1.365	1.387	1.403	3.01
13)	S	4-Methylphenol-d8		1.349	1.506	1.524	1.538	1.659	1.515	7.30
14)		Acetophenone		2.217	2.390	2.310	2.266	2.355	2.308	2.98
15)	P	N-Nitroso-di-n-pr	1.064	1.154	1.237	1.222	1.182		1.172	5.85
16)		4-Methylphenol		1.390	1.571	1.556	1.582	1.669	1.554	6.55
17)		Hexachloroethane	0.511	0.529	0.540	0.533	0.532		0.529	2.03
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.132	0.140	0.147	0.145	0.151		0.143	5.19
20)		Nitrobenzene	0.344	0.366	0.377	0.370	0.375		0.366	3.67
21)		Isophorone	0.646	0.695	0.725	0.715	0.724		0.701	4.69
22)	S	2-Nitrophenol-d4	0.138	0.156	0.166	0.173	0.179		0.162	9.84
23)	C	2-Nitrophenol	0.147	0.166	0.178	0.173	0.181		0.169	7.96
24)		2,4-Dimethylpheno	0.362	0.390	0.407	0.395	0.402		0.391	4.50
25)		Bis(2-Chloroethox	0.383	0.414	0.412	0.394	0.397		0.400	3.17
26)	S	2,4-Dichloropheno	0.285	0.322	0.335	0.331	0.345		0.324	7.18
27)	C	2,4-Dichloropheno	0.287	0.317	0.333	0.324	0.334		0.319	6.06
28)		Naphthalene	0.964	0.986	0.984	0.942	0.955		0.966	1.97
29)	S	4-Chloroaniline-d		0.309	0.343	0.350	0.363	0.334	0.340	5.98
30)		4-Chloroaniline		0.352	0.363	0.361	0.368	0.335	0.356	3.63
31)	C	Hexachlorobutadie	0.235	0.240	0.238	0.223	0.229		0.233	3.08
32)		Caprolactam		0.104	0.114	0.117	0.123	0.127	0.117	7.49
33)	C	4-Chloro-3-methyl	0.358	0.384	0.401	0.396	0.403		0.388	4.77
34)		2-Methylnaphthale	0.744	0.773	0.784	0.743	0.747		0.758	2.49
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.574	0.594	0.598	0.592	0.589		0.590	1.54
37)		Hexachlorocyclope		0.253	0.293	0.321	0.346	0.370	0.317	14.40
38)	C	2,4,6-Trichloroph	0.337	0.366	0.391	0.390	0.397		0.376	6.58
39)		2,4,5-Trichloroph	0.365	0.396	0.440	0.424	0.434		0.412	7.58
40)		1,1'-Biphenyl	1.302	1.337	1.367	1.324	1.311		1.328	1.91
41)		2-Chloronaphthale	1.014	1.036	1.067	1.027	1.023		1.033	1.98
42)		2-Nitroaniline	0.259	0.298	0.337	0.344	0.350		0.318	12.16
43)	S	Dimethylphthalate	1.405	1.461	1.514	1.450	1.444		1.455	2.69
44)		Dimethylphthalate	1.383	1.431	1.457	1.397	1.387		1.411	2.26
45)		2,6-Dinitrotoluen	0.240	0.260	0.292	0.300	0.308		0.280	10.30
46)	S	Acenaphthylene-d8	1.618	1.665	1.761	1.704	1.692		1.688	3.11
47)		Acenaphthylene	1.613	1.689	1.748	1.676	1.654		1.676	2.94
48)		3-Nitroaniline		0.260	0.292	0.293	0.297	0.280	0.284	5.26
49)	C	Acenaphthene	1.158	1.160	1.191	1.134	1.119		1.152	2.39
50)		2,4-Dinitrophenol		0.140	0.170	0.187	0.209	0.228	0.187	18.14
51)	S	4-Nitrophenol-d4		0.225	0.255	0.261	0.272	0.271	0.257	7.54

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.236	0.272	0.267	0.283	0.279	0.267	7.00
53)		Dibenzofuran	1.747	1.724	1.758	1.654	1.618		1.700	3.59
54)		2,4-Dinitrotoluen	0.378	0.418	0.458	0.449	0.456		0.432	7.88
55)		2,3,4,6-Tetrachlo	0.381	0.395	0.427	0.411	0.424		0.407	4.82
56)		Diethylphthalate	1.396	1.458	1.488	1.431	1.426		1.440	2.41
57)	S	Fluorene-d10	1.279	1.289	1.325	1.255	1.232		1.276	2.76
58)		Fluorene	1.441	1.439	1.460	1.356	1.320		1.403	4.39
59)		4-Chlorophenyl-ph	0.773	0.759	0.760	0.706	0.693		0.738	4.87
60)		4-Nitroaniline		0.295	0.319	0.321	0.316	0.313	0.313	3.24
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.104	0.115	0.123	0.132	0.135	0.122	10.24
63)		4,6-Dinitro-2-met		0.110	0.121	0.127	0.134	0.135	0.125	8.44
64)		N-Nitrosodiphenyl	0.526	0.554	0.557	0.533	0.532		0.540	2.56
65)		4-Bromophenyl-phe	0.212	0.215	0.227	0.216	0.220		0.218	2.59
66)		Hexachlorobenzene	0.242	0.249	0.252	0.239	0.245		0.246	2.18
67)		Atrazine		0.219	0.230	0.225	0.228	0.223	0.225	1.90
68)	C	Pentachlorophenol		0.138	0.148	0.153	0.162	0.168	0.154	7.75
69)		Phenanthrene	1.067	1.088	1.091	1.028	1.021		1.059	3.12
70)	S	Anthracene-d10	0.910	0.934	0.947	0.903	0.901		0.919	2.22
71)		Anthracene	1.072	1.098	1.112	1.051	1.041		1.075	2.79
72)		Carbazole		0.989	1.005	0.949	0.944	0.890	0.956	4.68
73)		Di-n-butylphthala	0.996	1.074	1.137	1.099	1.097		1.081	4.84
74)	C	Fluoranthene		1.394	1.445	1.340	1.318	1.182	1.336	7.43
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.776	0.796	0.817	0.790	0.789		0.794	1.86
77)		Pyrene	0.979	1.003	1.007	0.965	0.951		0.981	2.46
78)		Butylbenzylphthal	0.327	0.366	0.396	0.392	0.402		0.377	8.22
79)		3,3'-Dichlorobenz		0.367	0.363	0.380	0.377	0.350	0.367	3.31
80)		Benzo(a)anthracen	1.087	1.115	1.125	1.076	1.061		1.093	2.44
81)		Bis(2-ethylhexyl)	0.478	0.534	0.578	0.560	0.565		0.543	7.31
82)		Chrysene	1.071	1.066	1.078	1.009	0.996		1.044	3.66
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.969	1.012	0.989	0.972	0.889	0.966	4.82
85)		Benzo(b)fluoranth	1.089	1.132	1.191	1.112	1.086		1.122	3.82
86)		Benzo(k)fluoranth	1.092	1.109	1.084	1.061	1.050		1.079	2.18
87)	S	Benzo(a)pyrene-d1	0.853	0.887	0.914	0.878	0.892		0.885	2.52
88)	C	Benzo(a)pyrene	1.055	1.089	1.126	1.062	1.053		1.077	2.86
89)		Indeno(1,2,3-cd)p	1.133	1.157	1.252	1.183	1.223		1.189	4.04
90)		Dibenzo(a,h)anthr	0.930	0.950	1.036	0.976	1.005		0.980	4.32
91)		Benzo(g,h,i)peryl	0.959	0.963	1.047	0.994	1.027		0.998	3.87

(#) = Out of Range