Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM062017.M
Title : SVOA CALIBRATION
Last Update : Wed Jun 21 17:19:01 2017
Response Via : Initial Calibration

Calibration Files
5 =BM010595.D 10 =BM010590.D 20 =BM010601.D
40 =BM010592.D 80 =BM010593.D 160 =BM010594.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.356	0.358	0.430	0.413	0.394		0.390	8.44
3)	S	1,4-Dioxane-d8	0.298	0.353	0.373	0.357	0.364		0.349	8.54
4)		Benzaldehyde		1.239	1.367	1.274	0.890	0.837	1.121	21.46
5)	S	Phenol-d5		1.706	1.903	1.963	1.961	1.992	1.905	6.08
6)		Phenol		1.757	1.946	2.006	2.058	2.045	1.962	6.27
7)	S	Bis-(2-Chloroethy		1.046	1.147	1.109	1.083	1.054	1.088	3.82
8)		Bis(2-Chloroethyl		1.370	1.454	1.471	1.446	1.402	1.429	2.89
9)	S	2-Chlorophenol-d4	1.245	1.239	1.348	1.410	1.441		1.337	6.95
10)		2-Chlorophenol	1.220	1.244	1.384	1.402	1.430		1.336	7.25
11)		2-Methylphenol		1.310	1.513	1.536	1.558	1.561	1.496	7.07
12)		2,2'-oxybis(1-Chl		0.971	1.041	1.029	0.983	0.963	0.997	3.57
13)	S	4-Methylphenol-d8		1.404	1.599	1.632	1.641	1.621	1.580	6.28
14)		Acetophenone		2.410	2.600	2.659	2.654	2.572	2.579	3.94
15)	P	N-Nitroso-di-n-pr	1.240	1.339	1.444	1.476	1.450		1.390	7.10
16)		4-Methylphenol		1.490	1.658	1.708	1.694	1.678	1.646	5.41
17)		Hexachloroethane	0.580	0.564	0.608	0.606	0.612		0.594	3.56
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.133	0.132	0.142	0.150	0.157		0.143	7.55
20)		Nitrobenzene	0.377	0.387	0.430	0.441	0.447		0.416	7.68
21)		Isophorone	0.783	0.796	0.862	0.847	0.850		0.828	4.29
22)	S	2-Nitrophenol-d4	0.149	0.148	0.167	0.175	0.183		0.164	9.57
23)	C	2-Nitrophenol	0.156	0.156	0.183	0.186	0.191		0.174	9.77
24)		2,4-Dimethylpheno	0.412	0.417	0.449	0.469	0.470		0.443	6.25
25)		Bis(2-Chloroethox	0.438	0.442	0.477	0.469	0.467		0.459	3.83
26)	S	2,4-Dichloropheno	0.321	0.321	0.353	0.364	0.371		0.346	6.83
27)	C	2,4-Dichloropheno	0.310	0.320	0.345	0.350	0.360		0.337	6.24
28)		Naphthalene	0.958	0.954	1.017	1.020	1.027		0.995	3.63
29)	S	4-Chloroaniline-d		0.395	0.430	0.421	0.353	0.225	0.365	22.98
30)		4-Chloroaniline		0.397	0.425	0.416	0.360	0.236	0.367	21.03
31)	C	Hexachlorobutadie	0.255	0.239	0.262	0.259	0.255		0.254	3.46
32)		Caprolactam		0.110	0.127	0.119	0.121	0.114	0.118	5.53
33)	C	4-Chloro-3-methyl	0.393	0.413	0.450	0.443	0.449		0.430	5.96
34)		2-Methylnaphthale	0.768	0.771	0.815	0.820	0.826		0.800	3.51
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.687	0.658	0.718	0.740	0.727		0.706	4.71
37)		Hexachlorocyclope		0.325	0.383	0.428	0.428	0.465	0.406	13.27
38)	C	2,4,6-Trichloroph	0.464	0.443	0.486	0.514	0.503		0.482	6.01
39)		2,4,5-Trichloroph	0.480	0.454	0.503	0.528	0.524		0.498	6.26
40)		1,1'-Biphenyl	1.522	1.485	1.565	1.636	1.610		1.564	3.97
41)		2-Chloronaphthale	1.207	1.168	1.229	1.284	1.265		1.230	3.75
42)		2-Nitroaniline	0.295	0.316	0.361	0.405	0.423		0.360	15.25
43)	S	Dimethylphthalate	1.688	1.685	1.788	1.822	1.796		1.756	3.66
44)		Dimethylphthalate	1.700	1.637	1.744	1.776	1.748		1.721	3.17
45)		2,6-Dinitrotoluen	0.248	0.248	0.297	0.344	0.353		0.298	16.88
46)	S	Acenaphthylene-d8	1.965	1.942	2.048	2.147	2.109		2.042	4.34
47)		Acenaphthylene	1.918	1.837	1.946	2.037	1.988		1.945	3.87
48)		3-Nitroaniline		0.258	0.305	0.331	0.312	0.298	0.301	9.00
49)	C	Acenaphthene	1.283	1.259	1.313	1.364	1.341		1.312	3.24
50)		2,4-Dinitrophenol		0.149	0.189	0.227	0.246	0.269	0.216	22.08
51)	S	4-Nitrophenol-d4		0.271	0.299	0.322	0.324	0.329	0.309	7.70

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.328	0.395	0.409	0.411	0.417	0.392	9.38
53)		Dibenzofuran	1.960	1.864	2.013	2.070	2.028		1.987	3.99
54)		2,4-Dinitrotoluen	0.397	0.396	0.466	0.520	0.535		0.462	14.21
55)		2,3,4,6-Tetrachlo	0.481	0.472	0.511	0.527	0.527		0.504	5.12
56)		Diethylphthalate	1.759	1.733	1.825	1.892	1.844		1.811	3.57
57)	S	Fluorene-d10	1.481	1.448	1.521	1.575	1.563		1.518	3.55
58)		Fluorene	1.623	1.562	1.661	1.725	1.747		1.664	4.53
59)		4-Chlorophenyl-ph	0.886	0.860	0.901	0.940	0.934		0.904	3.68
60)		4-Nitroaniline		0.308	0.342	0.369	0.375	0.381	0.355	8.45
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.091	0.113	0.130	0.136	0.145	0.123	17.37
63)		4,6-Dinitro-2-met		0.105	0.120	0.138	0.143	0.149	0.131	13.83
64)		N-Nitrosodiphenyl	0.524	0.536	0.559	0.574	0.580		0.555	4.37
65)		4-Bromophenyl-phe	0.226	0.221	0.228	0.237	0.234		0.229	2.76
66)		Hexachlorobenzene	0.239	0.231	0.239	0.248	0.248		0.241	3.06
67)		Atrazine		0.229	0.240	0.248	0.239	0.214	0.234	5.56
68)	C	Pentachlorophenol		0.152	0.167	0.174	0.177	0.180	0.170	6.52
69)		Phenanthrene	1.026	1.045	1.064	1.091	1.090		1.063	2.68
70)	S	Anthracene-d10	0.924	0.938	0.983	0.992	0.993		0.966	3.37
71)		Anthracene	1.042	1.070	1.111	1.123	1.130		1.095	3.43
72)		Carbazole		0.906	0.965	0.967	0.963	0.979	0.956	2.99
73)		Di-n-butylphthala	1.117	1.189	1.240	1.275	1.255		1.215	5.23
74)	C	Fluoranthene		1.298	1.375	1.390	1.401	1.388	1.370	3.03
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.876	0.889	0.971	0.942	0.967		0.929	4.75
77)		Pyrene	1.089	1.102	1.200	1.175	1.209		1.155	4.85
78)		Butylbenzylphthal	0.393	0.384	0.451	0.460	0.484		0.434	10.10
79)		3,3'-Dichlorobenz		0.345	0.419	0.418	0.418	0.399	0.400	7.91
80)		Benzo(a)anthracen	1.130	1.096	1.203	1.191	1.203		1.165	4.18
81)		Bis(2-ethylhexyl)	0.600	0.606	0.686	0.696	0.724		0.663	8.47
82)		Chrysene	0.976	0.992	1.078	1.063	1.084		1.038	4.87
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.183	1.275	1.338	1.425	1.766	1.398	16.04
85)		Benzo(b)fluoranth	1.286	1.223	1.289	1.325	1.369		1.298	4.15
86)		Benzo(k)fluoranth	1.157	1.163	1.236	1.275	1.322		1.231	5.78
87)	S	Benzo(a)pyrene-d1	0.921	0.918	0.970	1.003	1.021		0.967	4.84
88)	C	Benzo(a)pyrene	1.147	1.133	1.195	1.237	1.264		1.195	4.72
89)		Indeno(1,2,3-cd)p	1.167	1.172	1.259	1.311	1.289		1.240	5.37
90)		Dibenzo(a,h)anthr	0.974	0.973	1.056	1.082	1.080		1.033	5.33
91)		Benzo(g,h,i)peryl	0.942	0.940	1.011	1.037	1.005		0.987	4.44

(#) = Out of Range