Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM102016.M
Title : SVOA CALIBRATION
Last Update : Thu Oct 20 17:01:48 2016
Response Via : Initial Calibration

Calibration Files
5 =BM007700.D 10 =BM007701.D 20 =BM007702.D
40 =BM007703.D 80 =BM007704.D 160 =BM007705.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.561	0.527	0.512	0.483	0.468		0.510	7.20
3)	S	1,4-Dioxane-d8	0.467	0.480	0.481	0.458	0.447		0.467	3.13
4)		Benzaldehyde		1.097	1.101	1.096	0.993	0.596	0.976	22.30
5)	S	Phenol-d5		1.484	1.496	1.522	1.620	1.596	1.544	3.96
6)		Phenol		1.541	1.566	1.563	1.641	1.612	1.584	2.57
7)	S	Bis-(2-Chloroethy		0.926	0.912	0.905	0.926	0.911	0.916	1.06
8)		Bis(2-Chloroethyl		1.213	1.225	1.201	1.239	1.225	1.221	1.17
9)	S	2-Chlorophenol-d4	1.069	1.194	1.188	1.199	1.270		1.184	6.14
10)		2-Chlorophenol	1.131	1.218	1.230	1.218	1.275		1.215	4.27
11)		2-Methylphenol		1.103	1.114	1.133	1.220	1.196	1.153	4.50
12)		2,2'-oxybis(1-Chl		1.386	1.364	1.342	1.363	1.311	1.353	2.10
13)	S	4-Methylphenol-d8		1.142	1.184	1.192	1.275	1.248	1.208	4.40
14)		Acetophenone		1.884	1.869	1.872	1.954	1.893	1.894	1.83
15)	P	N-Nitroso-di-n-pr	0.868	0.943	0.933	0.956	0.999		0.940	5.03
16)		4-Methylphenol		1.193	1.215	1.215	1.315	1.275	1.243	4.07
17)		Hexachloroethane	0.509	0.541	0.551	0.532	0.550		0.537	3.26
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.131	0.139	0.147	0.148	0.155		0.144	6.49
20)		Nitrobenzene	0.352	0.371	0.370	0.375	0.383		0.370	3.09
21)		Isophorone	0.576	0.614	0.635	0.656	0.685		0.633	6.55
22)	S	2-Nitrophenol-d4	0.133	0.140	0.151	0.163	0.176		0.153	11.33
23)	C	2-Nitrophenol	0.134	0.153	0.164	0.168	0.178		0.159	10.42
24)		2,4-Dimethylpheno	0.343	0.363	0.368	0.366	0.379		0.364	3.57
25)		Bis(2-Chloroethox	0.364	0.389	0.390	0.393	0.401		0.387	3.60
26)	S	2,4-Dichloropheno	0.272	0.296	0.302	0.309	0.322		0.300	6.18
27)	C	2,4-Dichloropheno	0.267	0.293	0.300	0.306	0.311		0.295	5.85
28)		Naphthalene	0.984	0.990	0.969	0.958	0.963		0.973	1.40
29)	S	4-Chloroaniline-d		0.333	0.354	0.365	0.357	0.301	0.342	7.57
30)		4-Chloroaniline		0.344	0.361	0.372	0.357	0.302	0.347	7.80
31)	C	Hexachlorobutadie	0.246	0.242	0.242	0.236	0.238		0.241	1.62
32)		Caprolactam		0.065	0.074	0.084	0.092	0.094	0.082	15.03
33)	C	4-Chloro-3-methyl	0.274	0.293	0.311	0.329	0.342		0.310	8.75
34)		2-Methylnaphthale	0.681	0.692	0.695	0.690	0.702		0.692	1.11
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.641	0.651	0.652	0.639	0.645		0.646	0.92
37)		Hexachlorocyclope		0.308	0.348	0.374	0.424	0.447	0.380	14.79
38)	C	2,4,6-Trichloroph	0.320	0.342	0.361	0.374	0.398		0.359	8.32
39)		2,4,5-Trichloroph	0.355	0.387	0.393	0.407	0.424		0.393	6.55
40)		1,1'-Biphenyl	1.403	1.419	1.430	1.393	1.405		1.410	1.03
41)		2-Chloronaphthale	1.074	1.083	1.088	1.068	1.081		1.079	0.72
42)		2-Nitroaniline	0.222	0.268	0.290	0.315	0.336		0.286	15.44
43)	S	Dimethylphthalate	1.323	1.373	1.354	1.367	1.393		1.362	1.91
44)		Dimethylphthalate	1.290	1.331	1.325	1.326	1.340		1.322	1.44
45)		2,6-Dinitrotoluen	0.210	0.230	0.246	0.269	0.289		0.249	12.50
46)	S	Acenaphthylene-d8	1.527	1.628	1.668	1.678	1.694		1.639	4.09
47)		Acenaphthylene	1.565	1.676	1.683	1.693	1.692		1.662	3.28
48)		3-Nitroaniline		0.214	0.243	0.268	0.264	0.242	0.246	8.82
49)	C	Acenaphthene	1.153	1.166	1.140	1.138	1.138		1.147	1.10
50)		2,4-Dinitrophenol		0.095	0.127	0.155	0.187	0.202	0.153	28.35
51)	S	4-Nitrophenol-d4		0.167	0.194	0.225	0.240	0.249	0.215	15.80

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.179	0.202	0.223	0.231	0.234	0.214	10.92
53)		Dibenzofuran	1.660	1.677	1.651	1.632	1.614		1.647	1.49
54)		2,4-Dinitrotoluen	0.290	0.344	0.363	0.390	0.408		0.359	12.80
55)		2,3,4,6-Tetrachlo	0.302	0.343	0.350	0.369	0.389		0.351	9.25
56)		Diethylphthalate	1.266	1.300	1.299	1.338	1.343		1.309	2.41
57)	S	Fluorene-d10	1.201	1.194	1.199	1.187	1.187		1.194	0.54
58)		Fluorene	1.291	1.349	1.321	1.321	1.291		1.315	1.85
59)		4-Chlorophenyl-ph	0.703	0.717	0.703	0.696	0.686		0.701	1.60
60)		4-Nitroaniline		0.209	0.217	0.275	0.270	0.269	0.248	13.07
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.096	0.106	0.119	0.133	0.140	0.119	15.44
63)		4,6-Dinitro-2-met		0.100	0.112	0.123	0.135	0.142	0.123	13.81
64)		N-Nitrosodiphenyl	0.537	0.586	0.580	0.572	0.583		0.572	3.46
65)		4-Bromophenyl-phe	0.223	0.229	0.229	0.225	0.234		0.228	1.75
66)		Hexachlorobenzene	0.253	0.254	0.255	0.249	0.253		0.253	0.89
67)		Atrazine		0.209	0.212	0.220	0.229	0.231	0.220	4.45
68)	C	Pentachlorophenol		0.119	0.126	0.141	0.155	0.167	0.142	14.03
69)		Phenanthrene	1.072	1.089	1.062	1.049	1.044		1.063	1.71
70)	S	Anthracene-d10	0.853	0.911	0.914	0.913	0.916		0.901	2.99
71)		Anthracene	1.074	1.106	1.091	1.077	1.066		1.083	1.47
72)		Carbazole		0.917	0.931	0.950	0.943	0.944	0.937	1.39
73)		Di-n-butylphthala	0.912	1.020	1.063	1.100	1.123		1.044	7.98
74)	C	Fluoranthene		1.258	1.241	1.265	1.229	1.222	1.243	1.48
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.768	0.819	0.824	0.807	0.890		0.822	5.40
77)		Pyrene	0.997	1.040	1.032	1.017	1.080		1.033	2.98
78)		Butylbenzylphthal	0.297	0.338	0.366	0.392	0.444		0.368	15.12
79)		3,3'-Dichlorobenz		0.355	0.355	0.381	0.364	0.321	0.355	6.21
80)		Benzo(a)anthracen	1.048	1.082	1.065	1.068	1.082		1.069	1.32
81)		Bis(2-ethylhexyl)	0.448	0.509	0.542	0.575	0.633		0.541	12.82
82)		Chrysene	1.031	1.048	1.028	1.018	1.010		1.027	1.41
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.913	0.964	1.019	1.144	1.031	1.014	8.53
85)		Benzo(b)fluoranth	1.093	1.181	1.140	1.133	1.166		1.143	2.95
86)		Benzo(k)fluoranth	1.002	1.066	1.060	1.058	1.071		1.051	2.70
87)	S	Benzo(a)pyrene-d1	0.827	0.878	0.874	0.881	0.907		0.873	3.32
88)	C	Benzo(a)pyrene	1.031	1.093	1.079	1.081	1.097		1.076	2.44
89)		Indeno(1,2,3-cd)p	1.266	1.322	1.296	1.302	1.261		1.289	1.99
90)		Dibenzo(a,h)anthr	1.068	1.116	1.096	1.100	1.058		1.088	2.19
91)		Benzo(g,h,i)peryl	1.062	1.111	1.087	1.092	1.062		1.083	1.96

(#) = Out of Range