Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM062116.M
Title : SVOA CALIBRATION
Last Update : Tue Jun 21 08:19:39 2016
Response Via : Initial Calibration

Calibration Files
5 =BM005874.D 10 =BM005875.D 20 =BM005880.D
40 =BM005877.D 80 =BM005878.D 160 =BM005879.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	1.026	0.943	0.925	0.799	0.723		0.883	13.70
3)	S	1,4-Dioxane-d8	0.580	0.537	0.546	0.463	0.428		0.511	12.33
4)		Benzaldehyde		0.266	0.242	0.275	0.276	0.235	0.259	7.38
5)	S	Phenol-d5		2.171	2.365	2.253	2.197	2.051	2.207	5.20
6)		Phenol		2.240	2.441	2.281	2.187	2.012	2.232	6.96
7)	S	Bis-(2-Chloroethy		1.334	1.412	1.280	1.221	1.140	1.277	8.17
8)		Bis(2-Chloroethyl		1.786	1.875	1.699	1.595	1.482	1.687	9.19
9)	S	2-Chlorophenol-d4	1.601	1.600	1.719	1.627	1.587		1.627	3.29
10)		2-Chlorophenol	1.630	1.655	1.756	1.648	1.598		1.657	3.58
11)		2-Methylphenol		1.766	1.887	1.790	1.715	1.580	1.748	6.45
12)		2,2'-oxybis(1-Chl		2.569	2.704	2.483	2.356	2.212	2.465	7.70
13)	S	4-Methylphenol-d8		1.869	2.018	1.869	1.804	1.664	1.845	6.93
14)		Acetophenone		3.005	3.122	2.738	2.475	2.238	2.716	13.47
15)	P	N-Nitroso-di-n-pr	1.574	1.599	1.731	1.518	1.356		1.556	8.76
16)		4-Methylphenol		2.002	2.170	1.971	1.859	1.721	1.945	8.62
17)		Hexachloroethane	0.644	0.627	0.654	0.604	0.590		0.624	4.31
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.138	0.135	0.152	0.150	0.151		0.145	5.51
20)		Nitrobenzene	0.365	0.370	0.410	0.390	0.378		0.383	4.71
21)		Isophorone	0.911	0.900	0.965	0.857	0.780		0.883	7.85
22)	S	2-Nitrophenol-d4	0.131	0.133	0.149	0.154	0.159		0.145	8.92
23)	C	2-Nitrophenol	0.144	0.150	0.175	0.176	0.174		0.164	9.44
24)		2,4-Dimethylpheno	0.448	0.446	0.468	0.420	0.388		0.434	7.15
25)		Bis(2-Chloroethox	0.559	0.527	0.563	0.497	0.452		0.520	8.88
26)	S	2,4-Dichloropheno	0.348	0.341	0.369	0.343	0.322		0.344	4.86
27)	C	2,4-Dichloropheno	0.342	0.341	0.370	0.338	0.313		0.341	5.92
28)		Naphthalene	1.170	1.135	1.188	1.062	0.969		1.105	8.14
29)	S	4-Chloroaniline-d		0.382	0.368	0.325	0.286	0.251	0.322	17.08
30)		4-Chloroaniline		0.399	0.383	0.344	0.297	0.259	0.336	17.35
31)	C	Hexachlorobutadie	0.193	0.190	0.197	0.180	0.171		0.186	5.63
32)		Caprolactam		0.152	0.166	0.149	0.139	0.136	0.149	8.03
33)	C	4-Chloro-3-methyl	0.457	0.449	0.484	0.427	0.388		0.441	8.09
34)		2-Methylnaphthale	0.918	0.885	0.936	0.817	0.722		0.856	10.18
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.689	0.644	0.703	0.646	0.582		0.653	7.25
37)		Hexachlorocyclope		0.272	0.328	0.341	0.346	0.336	0.325	9.29
38)	C	2,4,6-Trichloroph	0.451	0.433	0.487	0.453	0.424		0.449	5.40
39)		2,4,5-Trichloroph	0.493	0.481	0.533	0.501	0.463		0.494	5.27
40)		1,1'-Biphenyl	1.908	1.790	1.930	1.732	1.515		1.775	9.39
41)		2-Chloronaphthale	1.421	1.333	1.450	1.315	1.165		1.337	8.36
42)		2-Nitroaniline	0.339	0.351	0.427	0.441	0.448		0.401	12.96
43)	S	Dimethylphthalate	2.046	1.916	2.061	1.824	1.630		1.895	9.38
44)		Dimethylphthalate	2.007	1.887	2.009	1.763	1.558		1.845	10.29
45)		2,6-Dinitrotoluen	0.258	0.272	0.335	0.340	0.334		0.308	12.86
46)	S	Acenaphthylene-d8	2.362	2.317	2.438	2.171	1.900		2.238	9.48
47)		Acenaphthylene	2.471	2.379	2.487	2.190	1.894		2.284	10.86
48)		3-Nitroaniline		0.334	0.382	0.385	0.360	0.333	0.359	6.96
49)	C	Acenaphthene	1.643	1.574	1.633	1.428	1.272		1.510	10.48
50)		2,4-Dinitrophenol		0.062	0.080	0.112	0.145	0.170	0.114	39.01
51)	S	4-Nitrophenol-d4		0.300	0.341	0.341	0.330	0.323	0.327	5.21

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.281	0.311	0.306	0.297	0.293	0.298	3.92
53)		Dibenzofuran	2.308	2.239	2.329	2.040	1.761		2.136	11.16
54)		2,4-Dinitrotoluen	0.375	0.410	0.493	0.507	0.484		0.454	12.80
55)		2,3,4,6-Tetrachlo	0.422	0.424	0.453	0.430	0.392		0.424	5.12
56)		Diethylphthalate	2.175	2.076	2.169	1.891	1.679		1.998	10.61
57)	S	Fluorene-d10	1.711	1.648	1.699	1.486	1.292		1.567	11.34
58)		Fluorene	1.943	1.835	1.867	1.565	1.243		1.690	17.02
59)		4-Chlorophenyl-ph	0.924	0.862	0.865	0.734	0.593		0.796	16.69
60)		4-Nitroaniline		0.383	0.425	0.416	0.401	0.387	0.403	4.52
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.050	0.069	0.085	0.098	0.100	0.081	26.01
63)		4,6-Dinitro-2-met		0.055	0.078	0.095	0.106	0.106	0.088	24.65
64)		N-Nitrosodiphenyl	0.720	0.677	0.718	0.626	0.540		0.656	11.53
65)		4-Bromophenyl-phe	0.241	0.230	0.244	0.219	0.192		0.225	9.43
66)		Hexachlorobenzene	0.270	0.254	0.274	0.238	0.209		0.249	10.68
67)		Atrazine		0.235	0.250	0.226	0.202	0.186	0.220	11.78
68)	C	Pentachlorophenol		0.119	0.142	0.142	0.138	0.133	0.135	7.20
69)		Phenanthrene	1.337	1.279	1.326	1.152	0.978		1.215	12.44
70)	S	Anthracene-d10	1.119	1.065	1.107	0.953	0.826		1.014	12.23
71)		Anthracene	1.363	1.304	1.335	1.144	0.953		1.220	14.08
72)		Carbazole		1.251	1.290	1.123	0.951	0.838	1.091	17.77
73)		Di-n-butylphthala	1.582	1.531	1.620	1.390	1.155		1.456	13.02
74)	C	Fluoranthene		1.534	1.587	1.347	1.122	0.948	1.308	20.77#
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.163	1.084	1.132	1.029	0.932		1.068	8.56
77)		Pyrene	1.502	1.387	1.450	1.276	1.102		1.343	11.85
78)		Butylbenzylphthal	0.627	0.614	0.670	0.631	0.579		0.624	5.28
79)		3,3'-Dichlorobenz		0.434	0.466	0.422	0.327	0.294	0.389	19.01
80)		Benzo(a)anthracen	1.444	1.371	1.413	1.254	1.106		1.318	10.51
81)		Bis(2-ethylhexyl)	0.969	0.939	0.972	0.843	0.682		0.881	13.95
82)		Chrysene	1.360	1.300	1.338	1.194	1.030		1.244	10.92
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.606	1.691	1.467	1.201	1.035	1.400	19.69
85)		Benzo(b)fluoranth	1.469	1.394	1.404	1.220	1.122		1.322	10.95
86)		Benzo(k)fluoranth	1.400	1.346	1.369	1.180	0.900		1.239	16.78
87)	S	Benzo(a)pyrene-d1	1.077	1.057	1.101	0.989	0.872		1.019	9.06
88)	C	Benzo(a)pyrene	1.342	1.304	1.340	1.170	0.982		1.228	12.55
89)		Indeno(1,2,3-cd)p	1.333	1.321	1.390	1.256	1.065		1.273	9.87
90)		Dibenzo(a,h)anthr	1.099	1.090	1.152	1.035	0.843		1.044	11.47
91)		Benzo(g,h,i)peryl	1.084	1.084	1.150	1.079	0.960		1.071	6.44

(#) = Out of Range