Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG050916.M
Title : SVOA CALIBRATION
Last Update : Mon May 09 16:11:30 2016
Response Via : Initial Calibration

Calibration Files
5 =BG021801.D 10 =BG021802.D 20 =BG021803.D
40 =BG021804.D 80 =BG021805.D 160 =BG021806.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.956	0.812	0.740	0.688	0.643		0.768	15.98
3)	S	1,4-Dioxane-d8	0.473	0.426	0.427	0.386	0.359		0.414	10.59
4)		Benzaldehyde		0.124	0.155	0.184	0.177	0.167	0.161	14.62
5)	S	Phenol-d5		1.121	1.353	1.550	1.677	1.720	1.484	16.72
6)		Phenol		1.372	1.577	1.564	1.699	1.680	1.578	8.24
7)	S	Bis-(2-Chloroethy		0.664	0.735	0.755	0.766	0.760	0.736	5.72
8)		Bis(2-Chloroethyl		1.320	1.367	1.242	1.268	1.228	1.285	4.50
9)	S	2-Chlorophenol-d4	0.830	1.036	1.220	1.286	1.387		1.152	19.19
10)		2-Chlorophenol	0.863	0.997	1.222	1.333	1.390		1.161	19.34
11)		2-Methylphenol		1.020	1.183	1.243	1.377	1.383	1.241	12.16
12)		2,2'-oxybis(1-Chl		1.180	1.218	1.111	1.090	1.040	1.128	6.31
13)	S	4-Methylphenol-d8		0.880	1.200	1.302	1.423	1.427	1.247	18.09
14)		Acetophenone		2.130	2.064	2.057	2.057	1.961	2.054	2.92
15)	P	N-Nitroso-di-n-pr	0.883	0.896	0.995	0.940	0.925		0.928	4.70
16)		4-Methylphenol		1.177	1.324	1.416	1.469	1.467	1.371	8.99
17)		Hexachloroethane	0.556	0.519	0.512	0.501	0.483		0.514	5.26
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.098	0.118	0.143	0.150	0.149		0.131	17.42
20)		Nitrobenzene	0.297	0.212	0.256	0.253	0.252		0.254	11.81
21)		Isophorone	0.621	0.598	0.604	0.579	0.551		0.590	4.55
22)	S	2-Nitrophenol-d4	0.050	0.070	0.081	0.099	0.116		0.083	30.85
23)	C	2-Nitrophenol	0.067	0.084	0.096	0.118	0.136		0.100	27.25#
24)		2,4-Dimethylpheno	0.181	0.243	0.269	0.274	0.287		0.251	16.80
25)		Bis(2-Chloroethox	0.398	0.321	0.347	0.358	0.349		0.354	7.87
26)	S	2,4-Dichloropheno	0.182	0.197	0.252	0.260	0.283		0.235	18.31
27)	C	2,4-Dichloropheno	0.196	0.200	0.253	0.270	0.277		0.239	16.15
28)		Naphthalene	1.101	1.025	1.006	0.973	0.910		1.003	6.97
29)	S	4-Chloroaniline-d		0.268	0.288	0.252	0.241	0.216	0.253	10.69
30)		4-Chloroaniline		0.290	0.276	0.246	0.243	0.226	0.256	10.17
31)	C	Hexachlorobutadie	0.180	0.163	0.159	0.154	0.151		0.162	7.12
32)		Caprolactam		0.085	0.102	0.105	0.106	0.108	0.101	9.33
33)	C	4-Chloro-3-methyl	0.231	0.175	0.267	0.267	0.270		0.242	16.80
34)		2-Methylnaphthale	0.796	0.751	0.732	0.716	0.696		0.738	5.17
35)		1-Methylnaphthale	0.794	0.735	0.747	0.714	0.672		0.732	6.14
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.553	0.544	0.554	0.568	0.553		0.555	1.55
38)		Hexachlorocyclope		0.243	0.249	0.285	0.304	0.328	0.282	12.86
39)	C	2,4,6-Trichloroph	0.185	0.214	0.269	0.313	0.343		0.265	24.97#
40)		2,4,5-Trichloroph	0.320	0.375	0.397	0.374	0.388		0.371	8.03
41)		1,1'-Biphenyl	1.630	1.624	1.556	1.551	1.428		1.558	5.24
42)		2-Chloronaphthale	1.212	1.203	1.207	1.179	1.105		1.181	3.76
43)		2-Nitroaniline	0.170	0.177	0.202	0.202	0.220		0.194	10.44
44)	S	Dimethylphthalate	1.349	1.434	1.462	1.438	1.341		1.405	3.97
45)		Dimethylphthalate	1.356	1.504	1.524	1.453	1.318		1.431	6.33
46)		2,6-Dinitrotoluen	0.227	0.266	0.293	0.311	0.315		0.282	12.89
47)	S	Acenaphthylene-d8	2.161	2.067	2.022	1.945	1.778		1.994	7.22
48)		Acenaphthylene	2.238	2.108	2.104	1.991	1.792		2.047	8.17
49)		3-Nitroaniline		0.296	0.333	0.336	0.329	0.307	0.320	5.52
50)	C	Acenaphthene	1.550	1.478	1.420	1.382	1.270		1.420	7.40
51)		2,4-Dinitrophenol		0.013	0.040	0.059	0.089	0.119	0.064	64.90

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.180	0.216	0.250	0.266	0.291	0.241	18.00
53)		4-Nitrophenol		0.080	0.098	0.116	0.123	0.132	0.110	19.03
54)		Dibenzofuran	2.160	1.995	1.923	1.808	1.633		1.904	10.40
55)		2,4-Dinitrotoluen	0.303	0.391	0.408	0.427	0.426		0.391	13.17
56)		2,3,4,6-Tetrachlo	0.198	0.228	0.263	0.301	0.319		0.262	19.22
57)		Diethylphthalate	1.239	1.472	1.484	1.461	1.320		1.395	7.86
58)	S	Fluorene-d10	1.662	1.584	1.501	1.371	1.277		1.479	10.57
59)		Fluorene	1.881	1.742	1.661	1.555	1.393		1.646	11.23
60)		4-Chlorophenyl-ph	0.780	0.797	0.770	0.746	0.699	0.666	0.743	6.85
61)		4-Nitroaniline		0.341	0.371	0.370	0.373	0.374	0.366	3.81
62)	I	Phenanthrene-d10	----------	ISTD	----------					
63)	S	4,6-Dinitro-2-met		0.024	0.038	0.055	0.073	0.088	0.055	47.05
64)		4,6-Dinitro-2-met		0.023	0.042	0.062	0.078	0.097	0.060	47.93
65)		N-Nitrosodiphenyl	0.591	0.570	0.598	0.597	0.564		0.584	2.74
66)		4-Bromophenyl-phe	0.221	0.199	0.206	0.211	0.210		0.209	3.85
67)		Hexachlorobenzene	0.261	0.234	0.238	0.239	0.235		0.241	4.69
68)		Atrazine		0.143	0.165	0.178	0.175	0.177	0.168	8.71
69)	C	Pentachlorophenol		0.054	0.073	0.092	0.113	0.129	0.092	32.66#
70)		Phenanthrene	1.222	1.127	1.109	1.065	0.944		1.093	9.28
71)	S	Anthracene-d10	1.170	1.006	0.960	0.912	0.819		0.974	13.36
72)		Anthracene	1.215	1.158	1.157	1.074	0.949		1.111	9.32
73)		Carbazole		1.037	1.023	1.007	0.911	0.837	0.963	8.92
74)		Di-n-butylphthala	0.624	0.802	0.971	1.033	0.945		0.875	18.73
75)	C	Fluoranthene	1.397	1.326	1.262	1.192	1.034		1.242	11.17
76)	I	Chrysene-d12	----------	ISTD	----------					
77)	S	Pyrene-d10	1.021	0.987	0.953	0.902	0.817		0.936	8.53
78)		Pyrene	1.261	1.256	1.184	1.121	0.962		1.157	10.64
79)		Butylbenzylphthal	0.151	0.179	0.244	0.323	0.382		0.256	37.76
80)		3,3'-Dichlorobenz		0.255	0.322	0.367	0.366	0.343	0.330	13.88
81)		Benzo(a)anthracen	1.173	1.172	1.145	1.092	0.982		1.113	7.20
82)		Bis(2-ethylhexyl)	0.236	0.309	0.421	0.531	0.591		0.418	35.48
83)		Chrysene	1.261	1.169	1.095	1.050	0.929		1.101	11.33
84)	I	Perylene-d12	----------	ISTD	----------					
85)		Di-n-octyl phthal		0.529	0.696	0.907	1.016	0.975	0.825	24.98
86)		Benzo(b)fluoranth	1.088	1.153	1.137	1.205	1.141		1.145	3.66
87)		Benzo(k)fluoranth	1.328	1.287	1.239	1.186	1.088		1.226	7.65
88)	S	Benzo(a)pyrene-d1	0.959	0.962	0.963	0.947	0.920		0.950	1.88
89)	C	Benzo(a)pyrene	1.117	1.167	1.166	1.147	1.101		1.140	2.61
90)		Indeno(1,2,3-cd)p	1.285	1.351	1.354	1.391	1.372		1.351	2.96
91)		Dibenzo(a,h)anthr	1.078	1.124	1.134	1.154	1.130		1.124	2.48
92)		Benzo(g,h,i)peryl	1.126	1.108	1.119	1.115	1.106		1.115	0.71

(#) = Out of Range