Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM-EPA-BG030717MA.M
Title : SVOA CALIBRATION
Last Update : Tue Mar 07 16:02:09 2017
Response Via : Initial Calibration

Calibration Files
5 =BG026089.D 10 =BG026090.D 20 =BG026091.D
40 =BG026092.D 80 =BG026093.D 160 =BG026094.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.579	0.520	0.510	0.502	0.479		0.518	7.21
3)	S	1,4-Dioxane-d8	0.458	0.473	0.471	0.462	0.462		0.465	1.37
4)		Benzaldehyde		1.058	1.073	1.039	0.949	0.621	0.948	19.94
5)	S	Phenol-d5		1.347	1.449	1.487	1.591	1.561	1.487	6.49
6)		Phenol		1.414	1.507	1.571	1.634	1.576	1.540	5.44
7)	S	Bis-(2-Chloroethy		0.925	0.960	0.924	0.955	0.928	0.939	1.87
8)		Bis(2-Chloroethyl		1.223	1.274	1.247	1.282	1.225	1.250	2.20
9)	S	2-Chlorophenol-d4	1.055	1.136	1.199	1.268	1.347		1.201	9.42
10)		2-Chlorophenol	1.032	1.111	1.207	1.240	1.286		1.175	8.72
11)		2-Methylphenol		1.062	1.108	1.189	1.257	1.251	1.174	7.36
12)		2,2'-oxybis(1-Chl		1.465	1.458	1.439	1.480	1.441	1.457	1.17
13)	S	4-Methylphenol-d8		0.994	1.105	1.171	1.272	1.267	1.162	10.07
14)		Acetophenone		1.889	1.955	1.917	1.919	1.847	1.905	2.11
15)	P	N-Nitroso-di-n-pr	0.878	0.870	0.901	0.911	0.933		0.899	2.84
16)		4-Methylphenol		1.172	1.229	1.268	1.349	1.346	1.273	5.99
17)		Hexachloroethane	0.496	0.468	0.493	0.484	0.496		0.487	2.44
18)	I	Naphthalene-d8	----------ISTD----------							
19)	S	Nitrobenzene-d5	0.133	0.140	0.143	0.150	0.156		0.144	6.27
20)		Nitrobenzene	0.304	0.291	0.310	0.310	0.315		0.306	2.98
21)		Isophorone	0.533	0.563	0.586	0.591	0.616		0.578	5.45
22)	S	2-Nitrophenol-d4	0.088	0.104	0.115	0.133	0.155		0.119	21.86
23)	C	2-Nitrophenol	0.086	0.107	0.130	0.148	0.161		0.126	24.04#
24)		2,4-Dimethylpheno	0.241	0.269	0.292	0.300	0.316		0.284	10.23
25)		Bis(2-Chloroethox	0.369	0.370	0.383	0.378	0.385		0.377	1.90
26)	S	2,4-Dichloropheno	0.222	0.239	0.266	0.292	0.308		0.265	13.41
27)	C	2,4-Dichloropheno	0.215	0.244	0.266	0.281	0.294		0.260	11.97
28)		Naphthalene	1.001	0.986	0.973	0.966	0.947		0.974	2.08
29)	S	4-Chloroaniline-d		0.351	0.386	0.387	0.375	0.312	0.362	8.71
30)		4-Chloroaniline		0.336	0.371	0.374	0.355	0.296	0.346	9.18
31)	C	Hexachlorobutadie	0.188	0.192	0.188	0.183	0.188		0.188	1.60
32)		Caprolactam		0.071	0.081	0.094	0.108	0.112	0.093	18.74
33)	C	4-Chloro-3-methyl	0.210	0.231	0.251	0.277	0.300		0.254	14.09
34)		2-Methylnaphthale	0.723	0.735	0.738	0.724	0.722		0.728	1.05
35)	I	Acenaphthene-d10	----------ISTD----------							
36)		1,2,4,5-Tetrachlo	0.560	0.551	0.626	0.550	0.539		0.565	6.11
37)		Hexachlorocyclope		0.253	0.314	0.291	0.314	0.316	0.297	9.01
38)	C	2,4,6-Trichloroph	0.222	0.264	0.327	0.316	0.341		0.294	16.92
39)		2,4,5-Trichloroph	0.239	0.270	0.357	0.344	0.368		0.316	18.22
40)		1,1'-Biphenyl	1.485	1.439	1.656	1.420	1.352		1.470	7.79
41)		2-Chloronaphthale	1.089	1.079	1.225	1.062	1.026		1.096	6.95
42)		2-Nitroaniline	0.193	0.208	0.273	0.276	0.297		0.250	18.42
43)	S	Dimethylphthalate	1.128	1.208	1.475	1.365	1.329		1.301	10.43
44)		Dimethylphthalate	1.166	1.194	1.438	1.301	1.275		1.275	8.37
45)		2,6-Dinitrotoluen	0.199	0.222	0.291	0.283	0.307		0.260	18.08
46)	S	Acenaphthylene-d8	1.735	1.708	1.948	1.707	1.633		1.746	6.83
47)		Acenaphthylene	1.777	1.738	1.963	1.710	1.614		1.761	7.30
48)		3-Nitroaniline		0.239	0.322	0.319	0.305	0.260	0.289	12.94
49)	C	Acenaphthene	1.216	1.212	1.371	1.202	1.173		1.235	6.31
50)		2,4-Dinitrophenol		0.065	0.097	0.118	0.152	0.175	0.121	36.05
51)	S	4-Nitrophenol-d4		0.180	0.249	0.269	0.293	0.290	0.256	18.04

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.108	0.146	0.156	0.167	0.163	0.148	15.87
53)		Dibenzofuran	1.745	1.718	1.921	1.670	1.585		1.728	7.17
54)		2,4-Dinitrotoluen	0.290	0.339	0.432	0.435	0.451		0.390	18.20
55)		2,3,4,6-Tetrachlo	0.204	0.240	0.311	0.314	0.341		0.282	20.37
56)		Diethylphthalate	1.064	1.136	1.401	1.328	1.322		1.250	11.42
57)	S	Fluorene-d10	1.262	1.253	1.421	1.249	1.228		1.283	6.12
58)		Fluorene	1.441	1.411	1.592	1.402	1.328		1.435	6.79
59)		4-Chlorophenyl-ph	0.690	0.673	0.751	0.665	0.646		0.685	5.86
60)		4-Nitroaniline		0.288	0.371	0.361	0.357	0.306	0.337	10.95
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.062	0.077	0.096	0.114	0.121	0.094	26.22
63)		4,6-Dinitro-2-met		0.070	0.085	0.106	0.121	0.126	0.101	23.26
64)		N-Nitrosodiphenyl	0.534	0.561	0.565	0.548	0.540		0.550	2.36
65)		4-Bromophenyl-phe	0.203	0.208	0.207	0.208	0.206		0.207	1.13
66)		Hexachlorobenzene	0.231	0.231	0.226	0.223	0.223		0.227	1.78
67)		Atrazine		0.172	0.193	0.213	0.216	0.199	0.198	8.94
68)	C	Pentachlorophenol		0.081	0.100	0.123	0.136	0.137	0.116	20.83#
69)		Phenanthrene	1.103	1.093	1.073	1.056	0.976		1.060	4.77
70)	S	Anthracene-d10	0.917	0.920	0.923	0.915	0.863		0.908	2.77
71)		Anthracene	1.087	1.105	1.100	1.068	0.981		1.068	4.75
72)		1,2,3,4-Tetrachlo	0.234	0.245	0.249	0.237	0.232		0.239	3.08
73)		Pentachlorobenzen	0.247	0.249	0.251	0.242	0.238		0.245	2.22
74)		Carbazole		1.005	1.037	1.045	0.963	0.746	0.959	12.89
75)		Di-n-butylphthala	0.793	0.894	1.015	1.116	1.036		0.971	13.09
76)	C	Fluoranthene		1.319	1.354	1.332	1.149	0.823	1.195	18.72
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.795	0.837	0.801	0.866	0.814		0.823	3.54
79)		Pyrene	1.029	1.056	1.016	1.061	0.938		1.020	4.83
80)		Butylbenzylphthal	0.241	0.287	0.326	0.393	0.423		0.334	22.40
81)		3,3'-Dichlorobenz		0.332	0.359	0.390	0.368	0.277	0.345	12.58
82)		Benzo(a)anthracen	1.128	1.139	1.104	1.101	0.999		1.094	5.08
83)		Bis(2-ethylhexyl)	0.410	0.477	0.515	0.593	0.609		0.521	15.83
84)		Chrysene	1.082	1.093	1.057	1.044	0.959		1.047	5.05
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		0.776	0.867	0.987	1.012	0.837	0.896	11.20
87)		Benzo(b)fluoranth	1.102	1.123	1.107	1.127	1.085		1.109	1.53
88)		Benzo(k)fluoranth	1.090	1.064	1.114	1.110	1.025		1.081	3.40
89)	S	Benzo(a)pyrene-d1	0.844	0.869	0.896	0.904	0.895		0.882	2.83
90)	C	Benzo(a)pyrene	1.073	1.094	1.104	1.112	1.066		1.090	1.81
91)		Indeno(1,2,3-cd)p	1.259	1.301	1.313	1.345	1.350		1.314	2.80
92)		Dibenzo(a,h)anthr	1.030	1.080	1.100	1.109	1.100		1.084	2.94
93)		Benzo(g,h,i)peryl	1.051	1.070	1.107	1.111	1.118		1.091	2.66

(#) = Out of Range