Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG073115.M
Title : SVOA CALIBRATION
Last Update : Tue Aug 04 02:54:30 2015
Response Via : Initial Calibration

Calibration Files
5 =BG018180.D 10 =BG018181.D 20 =BG018242.D
40 =BG018183.D 80 =BG018184.D 160 =BG018185.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.281	0.330	0.348	0.272	0.297		0.305	10.60
3)	S	1,4-Dioxane-d8	0.263	0.274	0.269	0.255	0.263		0.265	2.70
4)		Benzaldehyde		1.079	1.037	1.082	0.990	0.674	0.972	17.59
5)	S	Phenol-d5		1.797	1.756	1.809	1.786	1.844	1.798	1.78
6)		Phenol		1.868	1.757	1.850	1.810	1.847	1.826	2.41
7)	S	Bis-(2-Chloroethy		0.949	0.922	0.929	0.900	0.896	0.919	2.36
8)		Bis(2-Chloroethyl		1.339	1.340	1.362	1.280	1.292	1.322	2.64
9)	S	2-Chlorophenol-d4	1.332	1.407	1.348	1.378	1.327		1.358	2.47
10)		2-Chlorophenol	1.250	1.363	1.295	1.347	1.320		1.315	3.40
11)		2-Methylphenol		1.474	1.398	1.462	1.417	1.455	1.441	2.23
12)		2,2'-oxybis(1-Chl		1.241	1.177	1.213	1.091	1.095	1.163	5.88
13)	S	4-Methylphenol-d8		1.446	1.467	1.526	1.425	1.459	1.465	2.60
14)		Acetophenone		2.424	2.272	2.324	2.192	2.183	2.279	4.39
15)	P	N-Nitroso-di-n-pr	1.293	1.385	1.307	1.281	1.201		1.293	5.10
16)		4-Methylphenol		1.614	1.603	1.630	1.555	1.574	1.595	1.90
17)		Hexachloroethane	0.628	0.624	0.597	0.625	0.578		0.611	3.58
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.155	0.163	0.162	0.152	0.157		0.158	2.90
20)		Nitrobenzene	0.378	0.382	0.378	0.369	0.376		0.377	1.28
21)		Isophorone	0.800	0.809	0.785	0.756	0.746		0.779	3.49
22)	S	2-Nitrophenol-d4	0.190	0.180	0.173	0.177	0.184		0.181	3.53
23)	C	2-Nitrophenol	0.190	0.184	0.181	0.182	0.186		0.184	1.96
24)		2,4-Dimethylpheno	0.391	0.408	0.398	0.391	0.399		0.397	1.74
25)		Bis(2-Chloroethox	0.418	0.417	0.393	0.392	0.393		0.403	3.34
26)	S	2,4-Dichloropheno	0.305	0.327	0.316	0.317	0.332		0.320	3.27
27)	C	2,4-Dichloropheno	0.312	0.311	0.301	0.307	0.321		0.310	2.39
28)		Naphthalene	1.011	0.988	0.962	0.928	0.925		0.963	3.88
29)	S	4-Chloroaniline-d		0.411	0.414	0.432	0.401	0.333	0.398	9.54
30)		4-Chloroaniline		0.421	0.419	0.431	0.403	0.333	0.402	9.82
31)	C	Hexachlorobutadie	0.235	0.222	0.208	0.207	0.210		0.216	5.59
32)		Caprolactam		0.171	0.157	0.146	0.145	0.139	0.152	8.28
33)	C	4-Chloro-3-methyl	0.393	0.409	0.393	0.388	0.398		0.396	1.99
34)		2-Methylnaphthale	0.788	0.785	0.772	0.732	0.735		0.762	3.55
35)		1-Methylnaphthale	0.749	0.757	0.736	0.704	0.711		0.731	3.15
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.583	0.550	0.553	0.551	0.569		0.561	2.54
38)		Hexachlorocyclope		0.180	0.225	0.293	0.351	0.387	0.287	29.86
39)	C	2,4,6-Trichloroph	0.360	0.381	0.362	0.386	0.398		0.378	4.27
40)		2,4,5-Trichloroph	0.399	0.396	0.410	0.411	0.428		0.409	3.07
41)		1,1'-Biphenyl	1.518	1.436	1.405	1.383	1.406		1.429	3.69
42)		2-Chloronaphthale	1.123	1.058	1.065	1.063	1.090		1.080	2.50
43)		2-Nitroaniline	0.388	0.369	0.365	0.362	0.374		0.372	2.75
44)	S	Dimethylphthalate	1.607	1.588	1.545	1.485	1.503		1.545	3.42
45)		Dimethylphthalate	1.604	1.615	1.526	1.470	1.473		1.538	4.51
46)		2,6-Dinitrotoluen	0.349	0.367	0.346	0.343	0.358		0.353	2.71
47)	S	Acenaphthylene-d8	1.865	1.781	1.795	1.746	1.772		1.792	2.49
48)		Acenaphthylene	1.841	1.828	1.784	1.725	1.721		1.780	3.16
49)		3-Nitroaniline		0.299	0.309	0.333	0.327	0.286	0.311	6.19
50)	C	Acenaphthene	1.170	1.180	1.166	1.132	1.147		1.159	1.65
51)		2,4-Dinitrophenol		0.172	0.178	0.207	0.243	0.245	0.209	16.62

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.289	0.283	0.281	0.292	0.285	0.286	1.56
53)		4-Nitrophenol		0.303	0.277	0.283	0.295	0.286	0.289	3.48
54)		Dibenzofuran	1.815	1.791	1.746	1.682	1.696		1.746	3.31
55)		2,4-Dinitrotoluen	0.510	0.527	0.508	0.501	0.516		0.512	1.91
56)		2,3,4,6-Tetrachlo	0.406	0.390	0.389	0.400	0.428		0.403	3.92
57)		Diethylphthalate	1.663	1.661	1.598	1.512	1.529		1.593	4.48
58)	S	Fluorene-d10	1.457	1.448	1.370	1.355	1.363		1.399	3.56
59)		Fluorene	1.571	1.550	1.508	1.442	1.462		1.507	3.66
60)		4-Chlorophenyl-ph	0.850	0.818	0.791	0.793	0.815		0.813	2.93
61)		4-Nitroaniline		0.365	0.363	0.333	0.349	0.336	0.349	4.16
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.129	0.135	0.137	0.147	0.150	0.140	5.93
64)		4,6-Dinitro-2-met		0.149	0.143	0.142	0.151	0.153	0.148	3.19
65)		N-Nitrosodiphenyl	0.523	0.531	0.523	0.501	0.514		0.518	2.20
66)		4-Bromophenyl-phe	0.204	0.214	0.211	0.208	0.223		0.212	3.43
67)		Hexachlorobenzene	0.249	0.260	0.250	0.253	0.269		0.256	3.28
68)		Atrazine		0.237	0.233	0.222	0.226	0.221	0.228	3.14
69)	C	Pentachlorophenol		0.118	0.126	0.138	0.152	0.164	0.140	13.21
70)		Phenanthrene	1.076	1.064	1.020	0.969	0.952		1.016	5.43
71)	S	Anthracene-d10	0.906	0.910	0.876	0.829	0.828		0.870	4.61
72)		Anthracene	1.061	1.073	1.038	0.953	0.929		1.011	6.47
73)		1,2,3,4-Tetrachlo	0.226	0.217	0.222	0.224	0.240		0.226	3.78
74)		Pentachlorobenzen	0.252	0.245	0.256	0.249	0.262		0.253	2.66
75)		Carbazole		0.922	0.909	0.828	0.812	0.729	0.840	9.36
76)		Di-n-butylphthala	1.199	1.200	1.134	1.065	0.990		1.117	8.07
77)	C	Fluoranthene		1.289	1.215	1.111	1.054	0.911	1.116	13.12
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.966	0.989	0.990	0.961	0.933		0.968	2.44
80)		Pyrene	1.252	1.272	1.240	1.180	1.121		1.213	5.07
81)		Butylbenzylphthal	0.488	0.500	0.491	0.493	0.491		0.493	0.95
82)		3,3'-Dichlorobenz		0.384	0.424	0.458	0.445	0.399	0.422	7.33
83)		Benzo(a)anthracen	1.118	1.115	1.079	1.055	1.018		1.077	3.92
84)		Bis(2-ethylhexyl)	0.660	0.678	0.656	0.665	0.664		0.665	1.23
85)		Chrysene	1.047	0.999	0.984	0.963	0.940		0.987	4.12
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.185	1.091	1.069	1.032	0.904	1.056	9.68
88)		Benzo(b)fluoranth	1.206	1.213	1.184	1.205	1.200		1.201	0.91
89)		Benzo(k)fluoranth	1.150	1.169	1.074	1.071	1.057		1.104	4.64
90)	S	Benzo(a)pyrene-d1	1.032	1.024	0.987	1.002	1.011		1.011	1.75
91)	C	Benzo(a)pyrene	1.092	1.102	1.051	1.062	1.068		1.075	1.98
92)		Indeno(1,2,3-cd)p	1.211	1.263	1.200	1.253	1.291		1.244	3.04
93)		Dibenzo(a,h)anthr	1.041	1.069	1.023	1.084	1.107		1.065	3.15
94)		Benzo(g,h,i)peryl	1.003	1.033	0.988	1.013	1.042		1.016	2.16

(#) = Out of Range