Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG070615.M
Title : SVOA CALIBRATION
Last Update : Tue Jul 07 01:50:10 2015
Response Via : Initial Calibration

Calibration Files
5 =BG017769.D 10 =BG017770.D 20 =BG017776.D
40 =BG017772.D 80 =BG017773.D 160 =BG017774.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.594	0.470	0.552	0.488	0.488		0.518	10.11
3)	S	1,4-Dioxane-d8	0.565	0.532	0.497	0.474	0.461		0.506	8.46
4)		Benzaldehyde		1.265	1.246	1.191	0.869	0.699	1.054	24.21
5)	S	Phenol-d5		1.718	1.781	1.754	1.770	1.421	1.689	8.99
6)		Phenol		1.902	1.915	1.886	1.880	1.496	1.816	9.88
7)	S	Bis-(2-Chloroethy		1.059	1.079	1.052	1.040	0.830	1.012	10.17
8)		Bis(2-Chloroethyl		1.432	1.435	1.387	1.375	1.105	1.347	10.22
9)	S	2-Chlorophenol-d4	1.488	1.446	1.443	1.415	1.432		1.445	1.86
10)		2-Chlorophenol	1.598	1.420	1.412	1.386	1.417		1.447	5.94
11)		2-Methylphenol		1.329	1.388	1.375	1.403	1.145	1.328	7.99
12)		2,2'-oxybis(1-Chl		2.236	2.248	2.096	2.073	1.657	2.062	11.63
13)	S	4-Methylphenol-d8		1.476	1.420	1.413	1.430	1.167	1.381	8.86
14)		Acetophenone		2.158	2.181	2.093	2.090	1.656	2.036	10.60
15)	P	N-Nitroso-di-n-pr	1.302	1.281	1.293	1.258	1.267		1.280	1.41
16)		4-Methylphenol		1.557	1.562	1.543	1.550	1.261	1.494	8.75
17)		Hexachloroethane	0.664	0.635	0.613	0.590	0.589		0.618	5.15
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.156	0.144	0.145	0.148	0.155		0.150	3.71
20)		Nitrobenzene	0.387	0.380	0.369	0.380	0.375		0.378	1.80
21)		Isophorone	0.708	0.693	0.704	0.717	0.728		0.710	1.87
22)	S	2-Nitrophenol-d4	0.143	0.143	0.141	0.156	0.165		0.149	6.83
23)	C	2-Nitrophenol	0.162	0.153	0.158	0.169	0.178		0.164	6.07
24)		2,4-Dimethylpheno	0.389	0.367	0.357	0.366	0.372		0.370	3.17
25)		Bis(2-Chloroethox	0.411	0.410	0.395	0.394	0.401		0.402	2.03
26)	S	2,4-Dichloropheno	0.286	0.280	0.278	0.288	0.294		0.285	2.30
27)	C	2,4-Dichloropheno	0.302	0.283	0.279	0.281	0.283		0.286	3.25
28)		Naphthalene	1.147	1.075	1.008	0.991	0.953		1.035	7.42
29)	S	4-Chloroaniline-d		0.471	0.444	0.430	0.361	0.232	0.388	24.84
30)		4-Chloroaniline		0.456	0.434	0.423	0.367	0.236	0.383	23.10
31)	C	Hexachlorobutadie	0.194	0.166	0.155	0.155	0.157		0.165	10.18
32)		Caprolactam		0.124	0.139	0.144	0.158	0.116	0.136	12.11
33)	C	4-Chloro-3-methyl	0.349	0.335	0.333	0.347	0.351		0.343	2.44
34)		2-Methylnaphthale	0.797	0.748	0.715	0.712	0.700		0.734	5.36
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.569	0.543	0.493	0.505	0.505		0.523	6.12
37)		Hexachlorocyclope		0.262	0.269	0.282	0.293	0.235	0.268	8.26
38)	C	2,4,6-Trichloroph	0.339	0.325	0.317	0.340	0.352		0.335	4.13
39)		2,4,5-Trichloroph	0.372	0.377	0.344	0.373	0.378		0.369	3.83
40)		1,1'-Biphenyl	1.612	1.550	1.429	1.442	1.373		1.481	6.58
41)		2-Chloronaphthale	1.244	1.167	1.099	1.115	1.068		1.138	6.05
42)		2-Nitroaniline	0.370	0.369	0.375	0.394	0.411		0.384	4.79
43)	S	Dimethylphthalate	1.409	1.361	1.270	1.306	1.273		1.324	4.53
44)		Dimethylphthalate	1.622	1.525	1.407	1.430	1.369		1.471	6.97
45)		2,6-Dinitrotoluen	0.278	0.271	0.284	0.309	0.327		0.294	7.94
46)	S	Acenaphthylene-d8	1.931	1.848	1.719	1.762	1.662		1.784	5.96
47)		Acenaphthylene	2.162	2.061	1.886	1.888	1.754		1.950	8.26
48)		3-Nitroaniline		0.341	0.356	0.369	0.361	0.271	0.340	11.73
49)	C	Acenaphthene	1.429	1.358	1.270	1.282	1.232		1.314	6.00
50)		2,4-Dinitrophenol		0.061	0.083	0.115	0.159	0.134	0.110	35.28
51)	S	4-Nitrophenol-d4		0.236	0.252	0.281	0.315	0.243	0.266	12.27

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.187	0.207	0.230	0.246	0.189	0.212	12.05
53)		Dibenzofuran	1.980	1.839	1.705	1.714	1.619		1.771	7.93
54)		2,4-Dinitrotoluen	0.377	0.388	0.401	0.439	0.469		0.415	9.20
55)		2,3,4,6-Tetrachlo	0.270	0.282	0.291	0.317	0.336		0.299	9.05
56)		Diethylphthalate	1.704	1.649	1.528	1.577	1.501		1.592	5.30
57)	S	Fluorene-d10	1.493	1.380	1.287	1.317	1.274		1.350	6.65
58)		Fluorene	1.737	1.622	1.517	1.526	1.468		1.574	6.79
59)		4-Chlorophenyl-ph	0.813	0.743	0.682	0.706	0.715		0.732	6.91
60)		4-Nitroaniline		0.396	0.388	0.409	0.426	0.317	0.387	10.78
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.065	0.081	0.097	0.121	0.100	0.093	22.59
63)		4,6-Dinitro-2-met		0.069	0.088	0.101	0.128	0.105	0.099	22.12
64)		N-Nitrosodiphenyl	0.659	0.614	0.593	0.590	0.589		0.609	4.92
65)		4-Bromophenyl-phe	0.209	0.198	0.194	0.194	0.203		0.200	3.37
66)		Hexachlorobenzene	0.220	0.208	0.202	0.204	0.215		0.210	3.65
67)		Atrazine		0.220	0.221	0.221	0.213	0.167	0.208	11.29
68)	C	Pentachlorophenol		0.043	0.063	0.081	0.107	0.092	0.077	32.87#
69)		Phenanthrene	1.267	1.124	1.069	1.041	0.965		1.093	10.32
70)	S	Anthracene-d10	1.006	0.945	0.881	0.879	0.847		0.911	7.00
71)		Anthracene	1.301	1.173	1.098	1.074	0.976		1.124	10.78
72)		1,2,3,4-Tetrachlo	0.258	0.236	0.229	0.230	0.229		0.236	5.18
73)		Pentachlorobenzen	0.264	0.245	0.227	0.232	0.234		0.241	6.14
74)		Carbazole		1.065	1.026	0.999	0.938	0.654	0.936	17.57
75)		Di-n-butylphthala	1.406	1.362	1.297	1.273	1.124		1.293	8.34
76)	C	Fluoranthene		1.230	1.180	1.141	1.028	0.687	1.053	20.70#
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	1.025	0.996	0.943	0.923	0.865		0.951	6.58
79)		Pyrene	1.402	1.304	1.217	1.162	1.017		1.221	11.95
80)		Butylbenzylphthal	0.559	0.562	0.563	0.564	0.549		0.559	1.08
81)		3,3'-Dichlorobenz		0.344	0.368	0.371	0.374	0.269	0.345	12.75
82)		Benzo(a)anthracen	1.245	1.159	1.099	1.050	0.957		1.102	9.91
83)		Bis(2-ethylhexyl)	0.792	0.800	0.787	0.799	0.731		0.782	3.72
84)		Chrysene	1.193	1.122	1.030	0.989	0.885		1.044	11.41
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.342	1.313	1.321	1.181	0.775	1.186	20.13
87)		Benzo(b)fluoranth	1.317	1.129	1.109	1.068	1.093		1.143	8.70
88)		Benzo(k)fluoranth	1.176	1.136	1.017	1.079	0.978		1.077	7.58
89)	S	Benzo(a)pyrene-d1	0.935	0.888	0.844	0.870	0.867		0.881	3.88
90)	C	Benzo(a)pyrene	1.184	1.124	1.039	1.061	1.025		1.086	6.11
91)		Indeno(1,2,3-cd)p	1.266	1.175	1.139	1.160	1.191		1.186	4.08
92)		Dibenzo(a,h)anthr	1.072	1.006	0.948	0.981	1.002		1.002	4.51
93)		Benzo(g,h,i)peryl	1.071	0.993	0.939	0.971	0.988		0.992	4.93

(#) = Out of Range