Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG070915.M
Title : SVOA CALIBRATION
Last Update : Fri Jul 10 03:48:26 2015
Response Via : Initial Calibration

Calibration Files
5 =BG017769.D 10 =BG017770.D 20 =BG017805.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	0.516	0.488	0.488		0.511	9.61
3)	S	1,4-Dioxane-d8	0.565	0.532	0.482	0.474	0.461		0.503	8.76
4)		Benzaldehyde		1.265	1.326	1.191	0.869	0.699	1.070	25.44
5)	S	Phenol-d5		1.718	1.909	1.754	1.770	1.421	1.714	10.48
6)		Phenol		1.902	2.088	1.886	1.880	1.496	1.850	11.68
7)	S	Bis-(2-Chloroethy		1.059	1.155	1.052	1.040	0.830	1.027	11.63
8)		Bis(2-Chloroethyl		1.432	1.521	1.387	1.375	1.105	1.364	11.41
9)	S	2-Chlorophenol-d4	1.488	1.446	1.571	1.415	1.432		1.470	4.23
10)		2-Chlorophenol	1.598	1.420	1.537	1.386	1.417		1.472	6.21
11)		2-Methylphenol		1.329	1.564	1.375	1.403	1.145	1.363	11.05
12)		2,2'-oxybis(1-Chl		2.236	2.344	2.096	2.073	1.657	2.081	12.55
13)	S	4-Methylphenol-d8		1.476	1.602	1.413	1.430	1.167	1.418	11.18
14)		Acetophenone		2.158	2.427	2.093	2.090	1.656	2.085	13.28
15)	P	N-Nitroso-di-n-pr	1.302	1.281	1.496	1.258	1.267		1.321	7.52
16)		4-Methylphenol		1.557	1.808	1.543	1.550	1.261	1.544	12.55
17)		Hexachloroethane	0.664	0.635	0.630	0.590	0.589		0.622	5.16
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.156	0.144	0.166	0.148	0.155		0.154	5.63
20)		Nitrobenzene	0.387	0.380	0.411	0.380	0.375		0.387	3.66
21)		Isophorone	0.708	0.693	0.818	0.717	0.728		0.733	6.73
22)	S	2-Nitrophenol-d4	0.143	0.143	0.172	0.156	0.165		0.156	8.24
23)	C	2-Nitrophenol	0.162	0.153	0.192	0.169	0.178		0.171	8.82
24)		2,4-Dimethylpheno	0.389	0.367	0.399	0.366	0.372		0.378	3.85
25)		Bis(2-Chloroethox	0.411	0.410	0.436	0.394	0.401		0.411	3.89
26)	S	2,4-Dichloropheno	0.286	0.280	0.297	0.288	0.294		0.289	2.30
27)	C	2,4-Dichloropheno	0.302	0.283	0.300	0.281	0.283		0.290	3.55
28)		Naphthalene	1.147	1.075	1.064	0.991	0.953		1.046	7.26
29)	S	4-Chloroaniline-d		0.471	0.469	0.430	0.361	0.232	0.393	25.59
30)		4-Chloroaniline		0.456	0.474	0.423	0.367	0.236	0.391	24.49
31)	C	Hexachlorobutadie	0.194	0.166	0.159	0.155	0.157		0.166	9.83
32)		Caprolactam		0.124	0.243	0.144	0.158	0.116	0.157	32.27
33)	C	4-Chloro-3-methyl	0.349	0.335	0.392	0.347	0.351		0.355	6.14
34)		2-Methylnaphthale	0.797	0.748	0.767	0.712	0.700		0.745	5.34
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.569	0.543	0.510	0.505	0.505		0.526	5.43
37)		Hexachlorocyclope		0.262	0.280	0.282	0.293	0.235	0.270	8.45
38)	C	2,4,6-Trichloroph	0.339	0.325	0.367	0.340	0.352		0.345	4.52
39)		2,4,5-Trichloroph	0.372	0.377	0.395	0.373	0.378		0.379	2.43
40)		1,1'-Biphenyl	1.612	1.550	1.546	1.442	1.373		1.505	6.37
41)		2-Chloronaphthale	1.244	1.167	1.159	1.115	1.068		1.151	5.69
42)		2-Nitroaniline	0.370	0.369	0.435	0.394	0.411		0.396	7.13
43)	S	Dimethylphthalate	1.409	1.361	1.544	1.306	1.273		1.379	7.70
44)		Dimethylphthalate	1.622	1.525	1.572	1.430	1.369		1.504	6.88
45)		2,6-Dinitrotoluen	0.278	0.271	0.333	0.309	0.327		0.303	9.18
46)	S	Acenaphthylene-d8	1.931	1.848	1.867	1.762	1.662		1.814	5.75
47)		Acenaphthylene	2.162	2.061	2.031	1.888	1.754		1.979	8.07
48)		3-Nitroaniline		0.341	0.400	0.369	0.361	0.271	0.349	13.89
49)	C	Acenaphthene	1.429	1.358	1.333	1.282	1.232		1.327	5.64
50)		2,4-Dinitrophenol		0.061	0.148	0.115	0.159	0.134	0.123	31.03
51)	S	4-Nitrophenol-d4		0.236	0.326	0.281	0.315	0.243	0.280	14.51

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.187	0.271	0.230	0.246	0.189	0.225	16.11
53)		Dibenzofuran	1.980	1.839	1.820	1.714	1.619		1.794	7.60
54)		2,4-Dinitrotoluen	0.377	0.388	0.465	0.439	0.469		0.428	10.05
55)		2,3,4,6-Tetrachlo	0.270	0.282	0.327	0.317	0.336		0.306	9.45
56)		Diethylphthalate	1.704	1.649	1.703	1.577	1.501		1.627	5.38
57)	S	Fluorene-d10	1.493	1.380	1.356	1.317	1.274		1.364	6.05
58)		Fluorene	1.737	1.622	1.647	1.526	1.468		1.600	6.58
59)		4-Chlorophenyl-ph	0.813	0.743	0.744	0.706	0.715		0.744	5.66
60)		4-Nitroaniline		0.396	0.445	0.409	0.426	0.317	0.399	12.32
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.065	0.112	0.097	0.121	0.100	0.099	21.37
63)		4,6-Dinitro-2-met		0.069	0.119	0.101	0.128	0.105	0.105	21.55
64)		N-Nitrosodiphenyl	0.659	0.614	0.643	0.590	0.589		0.619	5.10
65)		4-Bromophenyl-phe	0.209	0.198	0.199	0.194	0.203		0.201	2.95
66)		Hexachlorobenzene	0.220	0.208	0.220	0.204	0.215		0.213	3.38
67)		Atrazine		0.220	0.244	0.221	0.213	0.167	0.213	13.39
68)	C	Pentachlorophenol		0.043	0.122	0.081	0.107	0.092	0.089	34.02#
69)		Phenanthrene	1.267	1.124	1.146	1.041	0.965		1.109	10.29
70)	S	Anthracene-d10	1.006	0.945	0.956	0.879	0.847		0.927	6.87
71)		Anthracene	1.301	1.173	1.193	1.074	0.976		1.143	10.79
72)		1,2,3,4-Tetrachlo	0.258	0.236	0.240	0.230	0.229		0.239	4.80
73)		Pentachlorobenzen	0.264	0.245	0.244	0.232	0.234		0.244	5.19
74)		Carbazole		1.065	1.135	0.999	0.938	0.654	0.958	19.34
75)		Di-n-butylphthala	1.406	1.362	1.444	1.273	1.124		1.322	9.66
76)	C	Fluoranthene		1.230	1.306	1.141	1.028	0.687	1.079	22.48#
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	1.025	0.996	1.007	0.923	0.865		0.963	6.97
79)		Pyrene	1.402	1.304	1.295	1.162	1.017		1.236	12.10
80)		Butylbenzylphthal	0.559	0.562	0.604	0.564	0.549		0.568	3.75
81)		3,3'-Dichlorobenz		0.344	0.406	0.371	0.374	0.269	0.353	14.61
82)		Benzo(a)anthracen	1.245	1.159	1.164	1.050	0.957		1.115	10.10
83)		Bis(2-ethylhexyl)	0.792	0.800	0.822	0.799	0.731		0.789	4.37
84)		Chrysene	1.193	1.122	1.087	0.989	0.885		1.055	11.39
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.342	1.467	1.321	1.181	0.775	1.217	21.98
87)		Benzo(b)fluoranth	1.317	1.129	1.177	1.068	1.093		1.157	8.50
88)		Benzo(k)fluoranth	1.176	1.136	1.138	1.079	0.978		1.102	6.99
89)	S	Benzo(a)pyrene-d1	0.935	0.888	1.010	0.870	0.867		0.914	6.59
90)	C	Benzo(a)pyrene	1.184	1.124	1.137	1.061	1.025		1.106	5.73
91)		Indeno(1,2,3-cd)p	1.266	1.175	1.255	1.160	1.191		1.209	3.95
92)		Dibenzo(a,h)anthr	1.072	1.006	1.089	0.981	1.002		1.030	4.60
93)		Benzo(g,h,i)peryl	1.071	0.993	1.048	0.971	0.988		1.014	4.24

(#) = Out of Range