Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG061915.M
Title : SVOA CALIBRATION
Last Update : Fri Jun 19 17:30:37 2015
Response Via : Initial Calibration

Calibration Files
5 =BG017726.D 10 =BG017727.D 20 =BG017728.D
40 =BG017729.D 80 =BG017730.D 160 =BG017731.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.892	0.497	0.486	0.493	0.450		0.564	32.72
3)	S	1,4-Dioxane-d8	0.491	0.421	0.444	0.436	0.446		0.448	5.85
4)		Benzaldehyde		1.199	1.204	1.084	0.993	0.740	1.044	18.30
5)	S	Phenol-d5		1.625	1.658	1.675	1.798	1.908	1.733	6.80
6)		Phenol		1.804	1.768	1.796	1.886	1.985	1.848	4.78
7)	S	Bis-(2-Chloroethy		0.938	0.991	0.981	1.024	1.083	1.003	5.38
8)		Bis(2-Chloroethyl		1.314	1.312	1.324	1.380	1.442	1.354	4.15
9)	S	2-Chlorophenol-d4	1.511	1.370	1.377	1.381	1.481		1.424	4.68
10)		2-Chlorophenol	1.524	1.400	1.384	1.364	1.457		1.426	4.56
11)		2-Methylphenol		1.317	1.373	1.317	1.442	1.543	1.398	6.86
12)		2,2'-oxybis(1-Chl		2.110	2.090	2.036	2.111	2.173	2.104	2.33
13)	S	4-Methylphenol-d8		1.332	1.352	1.379	1.492	1.592	1.429	7.70
14)		Acetophenone		2.121	2.055	2.039	2.128	2.229	2.114	3.55
15)	P	N-Nitroso-di-n-pr	1.344	1.224	1.245	1.229	1.295		1.267	4.03
16)		4-Methylphenol		1.459	1.498	1.502	1.587	1.707	1.551	6.40
17)		Hexachloroethane	0.645	0.623	0.583	0.586	0.598		0.607	4.37
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.170	0.151	0.143	0.152	0.153		0.154	6.30
20)		Nitrobenzene	0.408	0.375	0.360	0.370	0.373		0.377	4.84
21)		Isophorone	0.741	0.705	0.688	0.708	0.711		0.711	2.72
22)	S	2-Nitrophenol-d4	0.157	0.155	0.148	0.161	0.167		0.158	4.53
23)	C	2-Nitrophenol	0.174	0.165	0.160	0.172	0.179		0.170	4.41
24)		2,4-Dimethylpheno	0.387	0.350	0.358	0.359	0.369		0.365	3.95
25)		Bis(2-Chloroethox	0.422	0.376	0.375	0.390	0.388		0.390	4.88
26)	S	2,4-Dichloropheno	0.310	0.278	0.274	0.290	0.292		0.289	4.95
27)	C	2,4-Dichloropheno	0.298	0.273	0.264	0.278	0.289		0.280	4.71
28)		Naphthalene	1.160	1.051	0.972	1.006	0.973		1.033	7.58
29)	S	4-Chloroaniline-d		0.413	0.427	0.422	0.381	0.326	0.394	10.60
30)		4-Chloroaniline		0.411	0.415	0.406	0.380	0.322	0.387	10.06
31)	C	Hexachlorobutadie	0.173	0.168	0.159	0.162	0.161		0.165	3.54
32)		Caprolactam		0.124	0.134	0.145	0.150	0.152	0.141	8.39
33)	C	4-Chloro-3-methyl	0.352	0.326	0.331	0.337	0.346		0.338	3.06
34)		2-Methylnaphthale	0.799	0.731	0.697	0.711	0.706		0.729	5.60
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.562	0.509	0.502	0.516	0.517		0.521	4.54
37)		Hexachlorocyclope		0.304	0.311	0.320	0.331	0.349	0.323	5.51
38)	C	2,4,6-Trichloroph	0.362	0.321	0.316	0.335	0.344		0.335	5.48
39)		2,4,5-Trichloroph	0.398	0.364	0.351	0.373	0.383		0.374	4.75
40)		1,1'-Biphenyl	1.623	1.527	1.437	1.441	1.405		1.487	5.98
41)		2-Chloronaphthale	1.275	1.127	1.098	1.112	1.097		1.142	6.64
42)		2-Nitroaniline	0.384	0.351	0.352	0.368	0.385		0.368	4.37
43)	S	Dimethylphthalate	1.505	1.357	1.304	1.336	1.302		1.361	6.16
44)		Dimethylphthalate	1.600	1.523	1.434	1.443	1.409		1.482	5.29
45)		2,6-Dinitrotoluen	0.298	0.277	0.283	0.304	0.322		0.297	5.99
46)	S	Acenaphthylene-d8	1.932	1.808	1.735	1.760	1.705		1.788	4.98
47)		Acenaphthylene	2.146	1.942	1.877	1.905	1.802		1.934	6.66
48)		3-Nitroaniline		0.299	0.326	0.328	0.326	0.333	0.322	4.24
49)	C	Acenaphthene	1.465	1.287	1.240	1.271	1.242		1.301	7.22
50)		2,4-Dinitrophenol		0.099	0.114	0.132	0.159	0.193	0.139	26.93
51)	S	4-Nitrophenol-d4		0.260	0.265	0.295	0.308	0.335	0.293	10.73

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.204	0.216	0.227	0.240	0.251	0.228	8.25
53)		Dibenzofuran	2.003	1.741	1.680	1.709	1.666		1.760	7.91
54)		2,4-Dinitrotoluen	0.405	0.369	0.395	0.425	0.453		0.409	7.68
55)		2,3,4,6-Tetrachlo	0.305	0.281	0.281	0.307	0.327		0.300	6.50
56)		Diethylphthalate	1.735	1.621	1.550	1.570	1.553		1.606	4.85
57)	S	Fluorene-d10	1.461	1.331	1.273	1.311	1.294		1.334	5.58
58)		Fluorene	1.724	1.538	1.490	1.510	1.484		1.549	6.45
59)		4-Chlorophenyl-ph	0.798	0.737	0.684	0.715	0.720		0.731	5.77
60)		4-Nitroaniline		0.346	0.367	0.375	0.382	0.421	0.378	7.25
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.083	0.090	0.101	0.117	0.140	0.106	21.54
63)		4,6-Dinitro-2-met		0.084	0.098	0.107	0.126	0.148	0.113	22.04
64)		N-Nitrosodiphenyl	0.658	0.616	0.587	0.605	0.600		0.613	4.45
65)		4-Bromophenyl-phe	0.212	0.195	0.190	0.193	0.203		0.199	4.38
66)		Hexachlorobenzene	0.225	0.209	0.197	0.205	0.211		0.209	5.00
67)		Atrazine		0.235	0.223	0.228	0.235	0.232	0.231	2.18
68)	C	Pentachlorophenol		0.091	0.103	0.116	0.132	0.149	0.118	19.40
69)		Phenanthrene	1.256	1.133	1.054	1.066	1.015		1.105	8.57
70)	S	Anthracene-d10	1.023	0.908	0.896	0.907	0.879		0.923	6.19
71)		Anthracene	1.286	1.159	1.102	1.094	1.036		1.136	8.36
72)		1,2,3,4-Tetrachlo	0.274	0.232	0.227	0.237	0.240		0.242	7.72
73)		Pentachlorobenzen	0.262	0.243	0.231	0.236	0.245		0.243	4.87
74)		Carbazole		1.086	1.032	1.045	0.986	0.848	0.999	9.20
75)		Di-n-butylphthala	1.490	1.425	1.371	1.354	1.214		1.371	7.48
76)	C	Fluoranthene		1.272	1.212	1.199	1.099	0.891	1.135	13.18
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	1.106	1.005	0.943	0.953	0.915		0.984	7.66
79)		Pyrene	1.409	1.354	1.246	1.213	1.105		1.265	9.47
80)		Butylbenzylphthal	0.626	0.593	0.569	0.582	0.575		0.589	3.86
81)		3,3'-Dichlorobenz		0.347	0.366	0.381	0.354	0.344	0.358	4.30
82)		Benzo(a)anthracen	1.263	1.156	1.082	1.098	1.025		1.125	8.01
83)		Bis(2-ethylhexyl)	0.896	0.851	0.801	0.816	0.784		0.830	5.36
84)		Chrysene	1.197	1.100	1.032	1.027	0.964		1.064	8.33
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.463	1.387	1.420	1.280	0.998	1.310	14.28
87)		Benzo(b)fluoranth	1.239	1.164	1.092	1.131	1.070		1.139	5.83
88)		Benzo(k)fluoranth	1.212	1.097	1.069	1.066	1.059		1.100	5.81
89)	S	Benzo(a)pyrene-d1	0.961	0.879	0.844	0.883	0.877		0.889	4.89
90)	C	Benzo(a)pyrene	1.180	1.100	1.060	1.087	1.046		1.095	4.81
91)		Indeno(1,2,3-cd)p	1.312	1.190	1.144	1.190	1.191		1.206	5.24
92)		Dibenzo(a,h)anthr	1.147	1.017	0.977	1.015	1.025		1.036	6.25
93)		Benzo(g,h,i)peryl	1.083	0.996	0.954	0.992	0.986		1.002	4.78

(#) = Out of Range