Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG072315.M
Title : SVOA CALIBRATION
Last Update : Thu Jul 23 16:20:02 2015
Response Via : Initial Calibration

Calibration Files
5 =BG018060.D 10 =BG018061.D 20 =BG018062.D
40 =BG018063.D 80 =BG018064.D 160 =BG018065.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.318	0.420	0.319	0.334	0.326		0.343	12.54
3)	S	1,4-Dioxane-d8	0.328	0.341	0.291	0.324	0.317		0.320	5.81
4)		Benzaldehyde		0.845	0.777	0.791	0.835	0.718	0.793	6.43
5)	S	Phenol-d5		1.485	1.436	1.503	1.644	1.645	1.543	6.23
6)		Phenol		1.523	1.462	1.549	1.677	1.665	1.575	5.90
7)	S	Bis-(2-Chloroethy		0.782	0.727	0.730	0.788	0.781	0.762	3.98
8)		Bis(2-Chloroethyl		1.190	1.139	1.146	1.214	1.187	1.175	2.69
9)	S	2-Chlorophenol-d4	1.387	1.341	1.313	1.342	1.457		1.368	4.12
10)		2-Chlorophenol	1.368	1.373	1.291	1.315	1.423		1.354	3.83
11)		2-Methylphenol		1.308	1.202	1.248	1.377	1.369	1.301	5.83
12)		2,2'-oxybis(1-Chl		1.299	1.178	1.215	1.272	1.253	1.244	3.82
13)	S	4-Methylphenol-d8		1.345	1.251	1.335	1.445	1.464	1.368	6.38
14)		Acetophenone		1.988	1.828	1.898	1.984	1.945	1.929	3.48
15)	P	N-Nitroso-di-n-pr	1.025	1.075	0.969	1.004	1.048		1.024	4.01
16)		4-Methylphenol		1.426	1.365	1.406	1.504	1.499	1.440	4.19
17)		Hexachloroethane	0.533	0.536	0.495	0.510	0.533		0.522	3.48
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.167	0.163	0.144	0.156	0.160		0.158	5.43
20)		Nitrobenzene	0.297	0.289	0.280	0.294	0.295		0.291	2.33
21)		Isophorone	0.621	0.636	0.569	0.605	0.601		0.606	4.14
22)	S	2-Nitrophenol-d4	0.162	0.169	0.159	0.170	0.175		0.167	3.94
23)	C	2-Nitrophenol	0.177	0.185	0.168	0.182	0.187		0.180	4.34
24)		2,4-Dimethylpheno	0.317	0.329	0.294	0.318	0.323		0.316	4.14
25)		Bis(2-Chloroethox	0.350	0.356	0.319	0.342	0.338		0.341	4.13
26)	S	2,4-Dichloropheno	0.290	0.298	0.271	0.292	0.302		0.291	4.05
27)	C	2,4-Dichloropheno	0.279	0.286	0.266	0.284	0.291		0.281	3.43
28)		Naphthalene	0.985	0.997	0.882	0.921	0.899		0.937	5.51
29)	S	4-Chloroaniline-d		0.310	0.302	0.379	0.376	0.323	0.338	10.93
30)		4-Chloroaniline		0.316	0.312	0.394	0.389	0.331	0.348	11.48
31)	C	Hexachlorobutadie	0.165	0.173	0.156	0.166	0.163		0.165	3.75
32)		Caprolactam		0.148	0.127	0.131	0.130	0.134	0.134	6.02
33)	C	4-Chloro-3-methyl	0.311	0.322	0.284	0.305	0.311		0.307	4.57
34)		2-Methylnaphthale	0.722	0.744	0.676	0.703	0.693		0.708	3.73
35)		1-Methylnaphthale	0.708	0.730	0.663	0.679	0.674		0.691	3.96
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.507	0.523	0.486	0.517	0.537		0.514	3.74
38)		Hexachlorocyclope		0.252	0.267	0.311	0.336	0.340	0.301	13.30
39)	C	2,4,6-Trichloroph	0.337	0.351	0.316	0.353	0.367		0.345	5.69
40)		2,4,5-Trichloroph	0.374	0.380	0.346	0.381	0.395		0.375	4.79
41)		1,1'-Biphenyl	1.424	1.437	1.322	1.342	1.321		1.369	4.13
42)		2-Chloronaphthale	1.108	1.114	1.037	1.071	1.062		1.078	3.00
43)		2-Nitroaniline	0.290	0.291	0.269	0.282	0.284		0.283	3.15
44)	S	Dimethylphthalate	1.476	1.496	1.341	1.363	1.343		1.404	5.39
45)		Dimethylphthalate	1.517	1.496	1.355	1.372	1.326		1.413	6.16
46)		2,6-Dinitrotoluen	0.323	0.340	0.305	0.323	0.330		0.324	4.01
47)	S	Acenaphthylene-d8	1.817	1.786	1.656	1.709	1.657		1.725	4.28
48)		Acenaphthylene	1.926	1.907	1.742	1.780	1.705		1.812	5.48
49)		3-Nitroaniline		0.280	0.268	0.306	0.317	0.283	0.291	6.90
50)	C	Acenaphthene	1.272	1.246	1.123	1.154	1.135		1.186	5.72
51)		2,4-Dinitrophenol		0.124	0.130	0.170	0.200	0.218	0.168	24.61

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.300	0.273	0.301	0.303	0.301	0.295	4.23
53)		4-Nitrophenol		0.199	0.185	0.196	0.200	0.192	0.194	3.00
54)		Dibenzofuran	1.769	1.806	1.627	1.642	1.584		1.686	5.71
55)		2,4-Dinitrotoluen	0.462	0.491	0.437	0.467	0.471		0.466	4.18
56)		2,3,4,6-Tetrachlo	0.328	0.339	0.313	0.339	0.355		0.335	4.64
57)		Diethylphthalate	1.599	1.579	1.406	1.418	1.378		1.476	7.08
58)	S	Fluorene-d10	1.389	1.370	1.238	1.254	1.238		1.298	5.78
59)		Fluorene	1.541	1.550	1.392	1.405	1.367		1.451	6.03
60)		4-Chlorophenyl-ph	0.782	0.763	0.683	0.706	0.700		0.727	5.91
61)		4-Nitroaniline		0.371	0.337	0.382	0.362	0.346	0.360	5.11
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.114	0.112	0.130	0.139	0.144	0.128	11.40
64)		4,6-Dinitro-2-met		0.123	0.119	0.135	0.148	0.149	0.135	10.38
65)		N-Nitrosodiphenyl	0.551	0.558	0.528	0.538	0.550		0.545	2.17
66)		4-Bromophenyl-phe	0.197	0.199	0.185	0.196	0.206		0.197	4.03
67)		Hexachlorobenzene	0.232	0.219	0.206	0.216	0.229		0.220	4.82
68)		Atrazine		0.227	0.202	0.209	0.214	0.202	0.211	4.81
69)	C	Pentachlorophenol		0.101	0.103	0.119	0.133	0.142	0.120	15.37
70)		Phenanthrene	1.072	1.067	0.961	0.979	0.946		1.005	5.97
71)	S	Anthracene-d10	0.907	0.923	0.825	0.841	0.834		0.866	5.24
72)		Anthracene	1.082	1.094	0.981	0.989	0.955		1.020	6.21
73)		1,2,3,4-Tetrachlo	0.217	0.224	0.214	0.227	0.244		0.225	5.23
74)		Pentachlorobenzen	0.236	0.236	0.223	0.236	0.252		0.237	4.33
75)		Carbazole		1.008	0.901	0.903	0.869	0.741	0.884	10.84
76)		Di-n-butylphthala	1.246	1.278	1.139	1.118	1.038		1.164	8.39
77)	C	Fluoranthene		1.274	1.128	1.100	1.014	0.835	1.070	15.06
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.996	0.966	0.881	0.897	0.841		0.916	6.95
80)		Pyrene	1.276	1.228	1.118	1.107	0.999		1.145	9.53
81)		Butylbenzylphthal	0.502	0.470	0.444	0.464	0.462		0.469	4.52
82)		3,3'-Dichlorobenz		0.298	0.296	0.338	0.357	0.298	0.317	8.88
83)		Benzo(a)anthracen	1.134	1.130	1.016	1.034	0.974		1.058	6.73
84)		Bis(2-ethylhexyl)	0.719	0.701	0.642	0.664	0.631		0.672	5.62
85)		Chrysene	1.068	1.068	0.963	0.971	0.911		0.996	6.98
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.221	1.099	1.154	1.070	0.813	1.072	14.50
88)		Benzo(b)fluoranth	1.167	1.135	1.004	1.089	1.084		1.096	5.62
89)		Benzo(k)fluoranth	1.084	1.123	1.014	1.085	0.996		1.061	5.03
90)	S	Benzo(a)pyrene-d1	0.973	0.988	0.889	0.962	0.961		0.954	4.00
91)	C	Benzo(a)pyrene	1.085	1.104	0.997	1.077	1.044		1.061	3.96
92)		Indeno(1,2,3-cd)p	1.240	1.248	1.124	1.252	1.257		1.224	4.59
93)		Dibenzo(a,h)anthr	1.043	1.073	0.972	1.070	1.069		1.045	4.08
94)		Benzo(g,h,i)peryl	1.034	1.032	0.934	1.025	1.033		1.012	4.31

(#) = Out of Range