Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG100415.M
Title : SVOA CALIBRATION
Last Update : Mon Oct 05 01:17:08 2015
Response Via : Initial Calibration

Calibration Files
5 =BG019000.D 10 =BG019001.D 20 =BG019002.D
40 =BG019003.D 80 =BG019004.D 160 =BG019005.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.481	0.553	0.497	0.449	0.463		0.489	8.28
3)	S	1,4-Dioxane-d8	0.455	0.514	0.423	0.399	0.421		0.443	10.08
4)		Benzaldehyde		1.251	1.077	1.046	0.987	0.754	1.023	17.55
5)	S	Phenol-d5		1.899	1.667	1.676	1.698	1.660	1.720	5.87
6)		Phenol		1.947	1.737	1.699	1.721	1.674	1.755	6.23
7)	S	Bis-(2-Chloroethy		1.305	1.091	1.044	1.072	1.061	1.115	9.66
8)		Bis(2-Chloroethyl		1.566	1.327	1.258	1.276	1.236	1.333	10.09
9)	S	2-Chlorophenol-d4	1.235	1.454	1.263	1.237	1.272		1.292	7.12
10)		2-Chlorophenol	1.258	1.551	1.316	1.294	1.306		1.345	8.73
11)		2-Methylphenol		1.499	1.319	1.304	1.338	1.321	1.356	5.95
12)		2,2'-oxybis(1-Chl		3.007	2.599	2.480	2.488	2.426	2.600	9.08
13)	S	4-Methylphenol-d8		1.536	1.322	1.282	1.325	1.316	1.356	7.51
14)		Acetophenone		2.498	2.131	1.988	2.005	1.924	2.109	10.91
15)	P	N-Nitroso-di-n-pr	1.140	1.257	1.144	1.079	1.070		1.138	6.54
16)		4-Methylphenol		1.693	1.475	1.426	1.460	1.425	1.496	7.52
17)		Hexachloroethane	0.536	0.623	0.525	0.499	0.498		0.536	9.56
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.151	0.166	0.146	0.143	0.148		0.151	5.94
20)		Nitrobenzene	0.358	0.416	0.367	0.362	0.364		0.373	6.44
21)		Isophorone	0.726	0.805	0.726	0.713	0.704		0.735	5.52
22)	S	2-Nitrophenol-d4	0.141	0.165	0.147	0.156	0.159		0.154	6.28
23)	C	2-Nitrophenol	0.139	0.181	0.162	0.168	0.173		0.165	9.69
24)		2,4-Dimethylpheno	0.360	0.428	0.380	0.365	0.363		0.379	7.52
25)		Bis(2-Chloroethox	0.432	0.490	0.429	0.417	0.408		0.435	7.39
26)	S	2,4-Dichloropheno	0.289	0.341	0.308	0.308	0.306		0.311	6.08
27)	C	2,4-Dichloropheno	0.309	0.357	0.314	0.305	0.308		0.319	6.78
28)		Naphthalene	1.049	1.184	1.015	0.984	0.954		1.037	8.62
29)	S	4-Chloroaniline-d		0.425	0.402	0.399	0.368	0.302	0.379	12.59
30)		4-Chloroaniline		0.439	0.427	0.413	0.384	0.313	0.395	12.76
31)	C	Hexachlorobutadie	0.203	0.230	0.199	0.190	0.193		0.203	7.97
32)		Caprolactam		0.113	0.104	0.103	0.108	0.105	0.107	4.04
33)	C	4-Chloro-3-methyl	0.322	0.392	0.350	0.343	0.342		0.350	7.35
34)		2-Methylnaphthale	0.793	0.884	0.766	0.736	0.715		0.779	8.45
35)		1-Methylnaphthale	0.758	0.880	0.756	0.722	0.703		0.764	9.02
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.647	0.724	0.644	0.625	0.603		0.649	7.08
38)		Hexachlorocyclope		0.453	0.403	0.407	0.403	0.402	0.414	5.34
39)	C	2,4,6-Trichloroph	0.398	0.479	0.405	0.412	0.410		0.421	7.89
40)		2,4,5-Trichloroph	0.420	0.506	0.439	0.445	0.435		0.449	7.36
41)		1,1'-Biphenyl	1.657	1.888	1.605	1.549	1.472		1.634	9.64
42)		2-Chloronaphthale	1.283	1.463	1.232	1.208	1.140		1.265	9.61
43)		2-Nitroaniline	0.367	0.447	0.396	0.403	0.426		0.408	7.51
44)	S	Dimethylphthalate	1.556	1.795	1.542	1.496	1.473		1.573	8.19
45)		Dimethylphthalate	1.641	1.828	1.570	1.511	1.483		1.607	8.58
46)		2,6-Dinitrotoluen	0.274	0.327	0.302	0.307	0.325		0.307	7.01
47)	S	Acenaphthylene-d8	1.975	2.240	1.898	1.842	1.793		1.950	9.03
48)		Acenaphthylene	2.090	2.409	2.042	1.972	1.886		2.080	9.59
49)		3-Nitroaniline		0.325	0.302	0.312	0.304	0.267	0.302	7.23
50)	C	Acenaphthene	1.432	1.641	1.388	1.331	1.307		1.420	9.36
51)		2,4-Dinitrophenol		0.140	0.146	0.166	0.202	0.207	0.172	17.88

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.343	0.305	0.301	0.321	0.294	0.313	6.31
53)		4-Nitrophenol		0.275	0.241	0.230	0.243	0.222	0.242	8.37
54)		Dibenzofuran	1.995	2.239	1.886	1.804	1.723		1.929	10.37
55)		2,4-Dinitrotoluen	0.368	0.494	0.452	0.459	0.471		0.449	10.75
56)		2,3,4,6-Tetrachlo	0.371	0.469	0.413	0.409	0.421		0.417	8.42
57)		Diethylphthalate	1.607	1.865	1.578	1.515	1.509		1.615	9.02
58)	S	Fluorene-d10	1.430	1.657	1.394	1.327	1.316		1.425	9.68
59)		Fluorene	1.692	1.884	1.593	1.507	1.441		1.623	10.68
60)		4-Chlorophenyl-ph	0.819	0.936	0.781	0.759	0.719		0.803	10.29
61)		4-Nitroaniline		0.383	0.343	0.337	0.342	0.318	0.345	6.81
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.093	0.098	0.108	0.116	0.117	0.106	9.95
64)		4,6-Dinitro-2-met		0.102	0.106	0.113	0.122	0.118	0.112	7.42
65)		N-Nitrosodiphenyl	0.572	0.662	0.568	0.562	0.538		0.581	8.20
66)		4-Bromophenyl-phe	0.216	0.247	0.214	0.210	0.205		0.218	7.45
67)		Hexachlorobenzene	0.252	0.279	0.242	0.236	0.229		0.248	7.90
68)		Atrazine		0.277	0.245	0.236	0.232	0.212	0.240	9.79
69)	C	Pentachlorophenol		0.161	0.148	0.153	0.157	0.151	0.154	3.39
70)		Phenanthrene	1.166	1.312	1.114	1.051	1.000		1.129	10.63
71)	S	Anthracene-d10	0.957	1.094	0.941	0.884	0.856		0.946	9.74
72)		Anthracene	1.178	1.331	1.126	1.053	0.997		1.137	11.30
73)		1,2,3,4-Tetrachlo	0.267	0.303	0.266	0.267	0.251		0.271	7.14
74)		Pentachlorobenzen	0.256	0.301	0.257	0.259	0.242		0.263	8.44
75)		Carbazole		1.190	1.010	0.959	0.929	0.802	0.978	14.44
76)		Di-n-butylphthala	1.291	1.465	1.247	1.163	1.113		1.256	10.82
77)	C	Fluoranthene		1.630	1.385	1.290	1.230	1.005	1.308	17.44
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.929	1.054	0.934	0.892	0.861		0.934	7.85
80)		Pyrene	1.229	1.413	1.212	1.135	1.074		1.213	10.56
81)		Butylbenzylphthal	0.428	0.512	0.451	0.445	0.446		0.456	7.07
82)		3,3'-Dichlorobenz		0.422	0.383	0.385	0.359	0.311	0.372	11.00
83)		Benzo(a)anthracen	1.167	1.332	1.150	1.089	1.056		1.159	9.20
84)		Bis(2-ethylhexyl)	0.640	0.758	0.656	0.639	0.622		0.663	8.20
85)		Chrysene	1.114	1.252	1.080	1.027	0.977		1.090	9.56
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.332	1.155	1.120	1.097	0.980	1.137	11.21
88)		Benzo(b)fluoranth	1.180	1.351	1.153	1.108	1.094		1.177	8.76
89)		Benzo(k)fluoranth	1.162	1.350	1.125	1.061	1.040		1.148	10.76
90)	S	Benzo(a)pyrene-d1	0.995	1.181	1.005	0.961	0.970		1.022	8.83
91)	C	Benzo(a)pyrene	1.141	1.328	1.103	1.068	1.045		1.137	9.91
92)		Indeno(1,2,3-cd)p	1.270	1.480	1.279	1.246	1.247		1.304	7.60
93)		Dibenzo(a,h)anthr	1.121	1.258	1.102	1.080	1.066		1.125	6.85
94)		Benzo(g,h,i)peryl	1.054	1.233	1.061	1.036	1.042		1.085	7.66

(#) = Out of Range