Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG080915.M
Title : SVOA CALIBRATION
Last Update : Thu Aug 13 15:51:04 2015
Response Via : Initial Calibration

Calibration Files
5 =BG018327.D 10 =BG018328.D 20 =BG018329.D
40 =BG018330.D 80 =BG018331.D 160 =BG018332.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.532	0.493	0.489	0.463	0.445		0.485	6.83
3)	S	1,4-Dioxane-d8	0.465	0.471	0.466	0.451	0.410		0.453	5.49
4)		Benzaldehyde		1.286	1.242	1.226	1.041	0.529	1.065	29.46
5)	S	Phenol-d5		1.805	1.859	1.887	1.819	1.707	1.815	3.78
6)		Phenol		1.915	1.900	1.898	1.850	1.694	1.852	4.94
7)	S	Bis-(2-Chloroethy		1.169	1.156	1.151	1.116	1.032	1.125	4.95
8)		Bis(2-Chloroethyl		1.458	1.499	1.472	1.409	1.283	1.424	6.01
9)	S	2-Chlorophenol-d4	1.357	1.376	1.393	1.437	1.388		1.390	2.14
10)		2-Chlorophenol	1.404	1.362	1.468	1.433	1.417		1.417	2.75
11)		2-Methylphenol		1.440	1.497	1.465	1.435	1.340	1.436	4.09
12)		2,2'-oxybis(1-Chl		2.372	2.400	2.353	2.249	2.059	2.286	6.09
13)	S	4-Methylphenol-d8		1.554	1.563	1.574	1.525	1.410	1.525	4.39
14)		Acetophenone		2.282	2.354	2.303	2.141	1.934	2.203	7.70
15)	P	N-Nitroso-di-n-pr	1.286	1.277	1.298	1.259	1.201		1.264	3.02
16)		4-Methylphenol		1.579	1.587	1.639	1.569	1.460	1.567	4.19
17)		Hexachloroethane	0.626	0.621	0.614	0.611	0.581		0.611	2.87
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.153	0.152	0.160	0.160	0.155		0.156	2.51
20)		Nitrobenzene	0.389	0.389	0.411	0.390	0.388		0.393	2.47
21)		Isophorone	0.764	0.760	0.789	0.748	0.723		0.757	3.19
22)	S	2-Nitrophenol-d4	0.155	0.150	0.169	0.158	0.162		0.159	4.49
23)	C	2-Nitrophenol	0.172	0.168	0.184	0.178	0.180		0.176	3.53
24)		2,4-Dimethylpheno	0.399	0.406	0.401	0.391	0.379		0.395	2.72
25)		Bis(2-Chloroethox	0.487	0.470	0.495	0.460	0.446		0.472	4.23
26)	S	2,4-Dichloropheno	0.341	0.326	0.344	0.340	0.333		0.337	2.21
27)	C	2,4-Dichloropheno	0.315	0.317	0.328	0.314	0.304		0.316	2.75
28)		Naphthalene	1.055	1.094	1.115	1.041	0.981		1.057	4.91
29)	S	4-Chloroaniline-d		0.379	0.468	0.431	0.377	0.250	0.381	21.59
30)		4-Chloroaniline		0.379	0.477	0.436	0.384	0.260	0.387	21.09
31)	C	Hexachlorobutadie	0.204	0.199	0.206	0.196	0.191		0.199	3.07
32)		Caprolactam		0.129	0.134	0.130	0.123	0.120	0.127	4.30
33)	C	4-Chloro-3-methyl	0.364	0.368	0.375	0.367	0.356		0.366	1.90
34)		2-Methylnaphthale	0.782	0.788	0.803	0.746	0.708		0.766	4.98
35)		1-Methylnaphthale	0.755	0.757	0.794	0.739	0.692		0.748	4.92
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.661	0.629	0.667	0.645	0.605		0.641	3.95
38)		Hexachlorocyclope		0.353	0.408	0.396	0.386	0.367	0.382	5.76
39)	C	2,4,6-Trichloroph	0.422	0.428	0.461	0.451	0.422		0.437	4.20
40)		2,4,5-Trichloroph	0.455	0.468	0.494	0.477	0.455		0.470	3.49
41)		1,1'-Biphenyl	1.701	1.734	1.762	1.662	1.488		1.669	6.48
42)		2-Chloronaphthale	1.322	1.335	1.354	1.287	1.185		1.297	5.15
43)		2-Nitroaniline	0.412	0.415	0.432	0.418	0.415		0.419	1.91
44)	S	Dimethylphthalate	1.747	1.722	1.745	1.685	1.514		1.683	5.81
45)		Dimethylphthalate	1.750	1.696	1.740	1.642	1.470		1.660	6.88
46)		2,6-Dinitrotoluen	0.299	0.318	0.349	0.346	0.341		0.331	6.50
47)	S	Acenaphthylene-d8	2.188	2.166	2.249	2.102	1.890		2.119	6.53
48)		Acenaphthylene	2.222	2.201	2.254	2.101	1.848		2.125	7.78
49)		3-Nitroaniline		0.323	0.374	0.370	0.333	0.285	0.337	10.87
50)	C	Acenaphthene	1.574	1.496	1.558	1.485	1.341		1.491	6.18
51)		2,4-Dinitrophenol		0.129	0.152	0.166	0.176	0.183	0.161	13.39

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.302	0.306	0.317	0.302	0.287	0.303	3.62
53)		4-Nitrophenol		0.271	0.279	0.266	0.253	0.247	0.263	4.98
54)		Dibenzofuran	2.034	2.007	2.072	1.929	1.699		1.948	7.63
55)		2,4-Dinitrotoluen	0.419	0.463	0.495	0.501	0.482		0.472	7.02
56)		2,3,4,6-Tetrachlo	0.384	0.410	0.435	0.416	0.401		0.409	4.63
57)		Diethylphthalate	1.823	1.859	1.817	1.760	1.558		1.764	6.81
58)	S	Fluorene-d10	1.532	1.492	1.529	1.459	1.317		1.466	6.04
59)		Fluorene	1.783	1.793	1.728	1.645	1.431		1.676	8.88
60)		4-Chlorophenyl-ph	0.829	0.815	0.842	0.781	0.698		0.793	7.28
61)		4-Nitroaniline		0.388	0.390	0.386	0.352	0.346	0.372	5.72
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.082	0.098	0.100	0.105	0.107	0.098	9.90
64)		4,6-Dinitro-2-met		0.092	0.102	0.107	0.113	0.110	0.105	7.64
65)		N-Nitrosodiphenyl	0.627	0.629	0.608	0.591	0.553		0.602	5.17
66)		4-Bromophenyl-phe	0.231	0.219	0.219	0.211	0.202		0.216	4.89
67)		Hexachlorobenzene	0.235	0.234	0.232	0.225	0.218		0.229	3.05
68)		Atrazine		0.242	0.242	0.235	0.219	0.187	0.225	10.31
69)	C	Pentachlorophenol		0.150	0.154	0.159	0.154	0.148	0.153	2.78
70)		Phenanthrene	1.188	1.141	1.097	1.052	0.947		1.085	8.50
71)	S	Anthracene-d10	1.021	0.993	0.988	0.934	0.847		0.957	7.21
72)		Anthracene	1.213	1.180	1.134	1.068	0.935		1.106	9.95
73)		1,2,3,4-Tetrachlo	0.283	0.271	0.283	0.274	0.273		0.277	2.16
74)		Pentachlorobenzen	0.277	0.262	0.265	0.262	0.254		0.264	3.10
75)		Carbazole		1.112	1.066	1.021	0.911	0.738	0.970	15.43
76)		Di-n-butylphthala	1.372	1.373	1.309	1.242	1.036		1.266	11.04
77)	C	Fluoranthene		1.382	1.321	1.237	1.052	0.803	1.159	20.23
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.057	1.051	1.099	1.030	0.951		1.038	5.26
80)		Pyrene	1.463	1.430	1.434	1.308	1.126		1.352	10.33
81)		Butylbenzylphthal	0.561	0.572	0.594	0.581	0.553		0.572	2.80
82)		3,3'-Dichlorobenz		0.427	0.477	0.441	0.399	0.332	0.415	13.04
83)		Benzo(a)anthracen	1.277	1.286	1.297	1.218	1.122		1.240	5.88
84)		Bis(2-ethylhexyl)	0.828	0.833	0.844	0.793	0.744		0.808	5.03
85)		Chrysene	1.192	1.209	1.205	1.136	1.055		1.159	5.65
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.441	1.469	1.370	1.202	0.970	1.290	16.03
88)		Benzo(b)fluoranth	1.318	1.295	1.302	1.221	1.147		1.257	5.71
89)		Benzo(k)fluoranth	1.259	1.237	1.242	1.196	1.116		1.210	4.75
90)	S	Benzo(a)pyrene-d1	1.072	1.078	1.100	1.055	1.004		1.062	3.37
91)	C	Benzo(a)pyrene	1.226	1.210	1.249	1.184	1.105		1.195	4.64
92)		Indeno(1,2,3-cd)p	1.387	1.384	1.421	1.381	1.340		1.383	2.07
93)		Dibenzo(a,h)anthr	1.155	1.173	1.171	1.144	1.101		1.148	2.55
94)		Benzo(g,h,i)peryl	1.196	1.159	1.183	1.151	1.116		1.161	2.67

(#) = Out of Range