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 14:57:03 2015
Response Via : Initial Calibration

Calibration Files
5 =BG017803.D 10 =BG017804.D 20 =BG017805.D
40 =BG017806.D 80 =BG017807.D 160 =BG017808.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.528	0.599	0.516	0.502	0.477		0.524	8.78
3)	S	1,4-Dioxane-d8	0.537	0.491	0.482	0.502	0.468		0.496	5.29
4)		Benzaldehyde		1.288	1.326	1.279	1.087	0.811	1.158	18.58
5)	S	Phenol-d5		1.811	1.909	1.990	1.967	1.888	1.913	3.69
6)		Phenol		1.969	2.088	2.137	2.104	1.977	2.055	3.73
7)	S	Bis-(2-Chloroethy		1.112	1.155	1.182	1.116	1.065	1.126	3.97
8)		Bis(2-Chloroethyl		1.506	1.521	1.544	1.525	1.433	1.506	2.86
9)	S	2-Chlorophenol-d4	1.473	1.466	1.571	1.630	1.580		1.544	4.65
10)		2-Chlorophenol	1.474	1.494	1.537	1.590	1.562		1.531	3.10
11)		2-Methylphenol		1.497	1.564	1.610	1.603	1.535	1.562	3.02
12)		2,2'-oxybis(1-Chl		2.234	2.344	2.367	2.256	2.072	2.255	5.17
13)	S	4-Methylphenol-d8		1.526	1.602	1.660	1.645	1.560	1.599	3.54
14)		Acetophenone		2.334	2.427	2.394	2.362	2.221	2.348	3.37
15)	P	N-Nitroso-di-n-pr	1.385	1.466	1.496	1.494	1.439		1.456	3.16
16)		4-Methylphenol		1.721	1.808	1.806	1.778	1.702	1.763	2.78
17)		Hexachloroethane	0.638	0.629	0.630	0.634	0.634		0.633	0.59
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.177	0.159	0.166	0.168	0.170		0.168	3.95
20)		Nitrobenzene	0.412	0.383	0.411	0.408	0.392		0.401	3.22
21)		Isophorone	0.817	0.776	0.818	0.792	0.768		0.794	2.88
22)	S	2-Nitrophenol-d4	0.163	0.155	0.172	0.177	0.178		0.169	5.89
23)	C	2-Nitrophenol	0.177	0.171	0.192	0.189	0.190		0.184	5.15
24)		2,4-Dimethylpheno	0.387	0.372	0.399	0.391	0.389		0.388	2.48
25)		Bis(2-Chloroethox	0.424	0.414	0.436	0.429	0.419		0.424	2.04
26)	S	2,4-Dichloropheno	0.296	0.275	0.298	0.305	0.306		0.296	4.20
27)	C	2,4-Dichloropheno	0.287	0.274	0.300	0.301	0.296		0.292	3.86
28)		Naphthalene	1.104	1.036	1.064	1.050	0.990		1.049	3.93
29)	S	4-Chloroaniline-d		0.439	0.469	0.444	0.404	0.298	0.411	16.30
30)		4-Chloroaniline		0.420	0.474	0.441	0.398	0.297	0.406	16.57
31)	C	Hexachlorobutadie	0.161	0.156	0.159	0.157	0.155		0.158	1.49
32)		Caprolactam		0.234	0.243	0.236	0.236	0.216	0.233	4.34
33)	C	4-Chloro-3-methyl	0.380	0.356	0.392	0.372	0.370		0.374	3.58
34)		2-Methylnaphthale	0.787	0.746	0.767	0.751	0.735		0.757	2.64
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.513	0.509	0.510	0.525	0.526		0.517	1.60
37)		Hexachlorocyclope		0.258	0.280	0.310	0.318	0.302	0.294	8.35
38)	C	2,4,6-Trichloroph	0.349	0.336	0.367	0.365	0.372		0.358	4.13
39)		2,4,5-Trichloroph	0.399	0.355	0.395	0.399	0.405		0.391	5.16
40)		1,1'-Biphenyl	1.616	1.544	1.546	1.524	1.460		1.538	3.63
41)		2-Chloronaphthale	1.198	1.160	1.159	1.177	1.136		1.166	1.99
42)		2-Nitroaniline	0.406	0.411	0.435	0.449	0.441		0.429	4.37
43)	S	Dimethylphthalate	1.617	1.500	1.544	1.504	1.442		1.521	4.24
44)		Dimethylphthalate	1.674	1.592	1.572	1.519	1.455		1.562	5.25
45)		2,6-Dinitrotoluen	0.299	0.318	0.333	0.333	0.344		0.325	5.42
46)	S	Acenaphthylene-d8	1.883	1.796	1.867	1.870	1.770		1.837	2.76
47)		Acenaphthylene	2.064	2.022	2.031	1.995	1.880		1.999	3.54
48)		3-Nitroaniline		0.354	0.400	0.381	0.359	0.286	0.356	12.19
49)	C	Acenaphthene	1.386	1.331	1.333	1.330	1.292		1.334	2.54
50)		2,4-Dinitrophenol		0.125	0.148	0.178	0.202	0.196	0.170	19.43
51)	S	4-Nitrophenol-d4		0.296	0.326	0.336	0.346	0.318	0.324	5.88

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.248	0.271	0.266	0.276	0.248	0.262	5.08
53)		Dibenzofuran	1.905	1.841	1.820	1.791	1.724		1.816	3.65
54)		2,4-Dinitrotoluen	0.429	0.418	0.465	0.479	0.497		0.458	7.30
55)		2,3,4,6-Tetrachlo	0.303	0.319	0.327	0.339	0.357		0.329	6.23
56)		Diethylphthalate	1.783	1.661	1.703	1.649	1.584		1.676	4.38
57)	S	Fluorene-d10	1.404	1.357	1.356	1.343	1.312		1.355	2.43
58)		Fluorene	1.690	1.612	1.647	1.594	1.524		1.613	3.84
59)		4-Chlorophenyl-ph	0.758	0.728	0.744	0.737	0.744		0.742	1.49
60)		4-Nitroaniline		0.411	0.445	0.437	0.432	0.363	0.418	7.86
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.100	0.112	0.125	0.134	0.133	0.121	12.05
63)		4,6-Dinitro-2-met		0.102	0.119	0.135	0.146	0.140	0.128	13.70
64)		N-Nitrosodiphenyl	0.634	0.605	0.643	0.631	0.614		0.625	2.45
65)		4-Bromophenyl-phe	0.201	0.189	0.199	0.203	0.207		0.200	3.39
66)		Hexachlorobenzene	0.214	0.203	0.220	0.215	0.221		0.215	3.28
67)		Atrazine		0.225	0.244	0.243	0.234	0.209	0.231	6.20
68)	C	Pentachlorophenol		0.113	0.122	0.137	0.148	0.146	0.133	11.36
69)		Phenanthrene	1.180	1.134	1.146	1.111	1.022		1.119	5.32
70)	S	Anthracene-d10	0.940	0.947	0.956	0.939	0.895		0.935	2.52
71)		Anthracene	1.219	1.162	1.193	1.138	1.034		1.149	6.22
72)		1,2,3,4-Tetrachlo	0.243	0.227	0.240	0.249	0.245		0.241	3.50
73)		Pentachlorobenzen	0.251	0.237	0.244	0.253	0.255		0.248	2.95
74)		Carbazole		1.111	1.135	1.094	1.000	0.757	1.019	15.26
75)		Di-n-butylphthala	1.500	1.437	1.444	1.396	1.206		1.397	8.08
76)	C	Fluoranthene		1.280	1.306	1.252	1.091	0.797	1.146	18.50
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.961	0.952	1.007	0.980	0.920		0.964	3.37
79)		Pyrene	1.330	1.251	1.295	1.248	1.101		1.245	7.01
80)		Butylbenzylphthal	0.553	0.573	0.604	0.612	0.584		0.585	4.06
81)		3,3'-Dichlorobenz		0.339	0.406	0.394	0.365	0.276	0.356	14.46
82)		Benzo(a)anthracen	1.169	1.158	1.164	1.119	1.040		1.130	4.77
83)		Bis(2-ethylhexyl)	0.821	0.773	0.822	0.818	0.773		0.802	3.22
84)		Chrysene	1.110	1.072	1.087	1.051	0.978		1.060	4.74
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.397	1.467	1.426	1.283	0.829	1.280	20.43
87)		Benzo(b)fluoranth	1.187	1.143	1.177	1.147	1.129		1.157	2.11
88)		Benzo(k)fluoranth	1.119	1.060	1.138	1.138	1.052		1.101	3.82
89)	S	Benzo(a)pyrene-d1	0.971	0.978	1.010	1.024	1.005		0.998	2.23
90)	C	Benzo(a)pyrene	1.124	1.080	1.137	1.126	1.091		1.112	2.20
91)		Indeno(1,2,3-cd)p	1.249	1.204	1.255	1.275	1.270		1.251	2.25
92)		Dibenzo(a,h)anthr	1.042	1.040	1.089	1.090	1.101		1.073	2.72
93)		Benzo(g,h,i)peryl	1.038	1.010	1.048	1.044	1.043		1.036	1.47

(#) = Out of Range