Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG080515.M
Title : SVOA CALIBRATION
Last Update : Thu Aug 06 02:15:24 2015
Response Via : Initial Calibration

Calibration Files
5 =BG018271.D 10 =BG018272.D 20 =BG018273.D
40 =BG018274.D 80 =BG018275.D 160 =BG018276.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.265	0.272	0.246	0.256	0.241		0.256	4.90
3)	S	1,4-Dioxane-d8	0.190	0.265	0.219	0.223	0.263		0.232	13.78
4)		Benzaldehyde		0.965	0.814	0.838	0.889	0.512	0.804	21.54
5)	S	Phenol-d5		1.543	1.491	1.552	1.672	1.607	1.573	4.37
6)		Phenol		1.571	1.504	1.482	1.671	1.590	1.563	4.81
7)	S	Bis-(2-Chloroethy		0.790	0.732	0.752	0.781	0.744	0.760	3.26
8)		Bis(2-Chloroethyl		1.237	1.127	1.104	1.158	1.094	1.144	5.03
9)	S	2-Chlorophenol-d4	1.287	1.360	1.231	1.289	1.380		1.310	4.61
10)		2-Chlorophenol	1.212	1.298	1.219	1.243	1.344		1.263	4.46
11)		2-Methylphenol		1.313	1.201	1.240	1.334	1.295	1.277	4.30
12)		2,2'-oxybis(1-Chl		0.900	0.867	0.852	0.904	0.862	0.877	2.66
13)	S	4-Methylphenol-d8		1.325	1.266	1.310	1.407	1.331	1.328	3.86
14)		Acetophenone		2.276	2.069	2.025	2.211	2.090	2.134	4.93
15)	P	N-Nitroso-di-n-pr	1.102	1.228	1.084	1.083	1.143		1.128	5.40
16)		4-Methylphenol		1.482	1.363	1.369	1.505	1.432	1.430	4.49
17)		Hexachloroethane	0.622	0.609	0.578	0.572	0.609		0.598	3.60
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.162	0.162	0.143	0.153	0.155		0.155	5.08
20)		Nitrobenzene	0.354	0.355	0.342	0.344	0.347		0.348	1.68
21)		Isophorone	0.698	0.732	0.669	0.689	0.700		0.698	3.26
22)	S	2-Nitrophenol-d4	0.175	0.184	0.167	0.183	0.186		0.179	4.58
23)	C	2-Nitrophenol	0.204	0.195	0.178	0.192	0.188		0.191	4.97
24)		2,4-Dimethylpheno	0.407	0.408	0.382	0.405	0.412		0.403	2.91
25)		Bis(2-Chloroethox	0.390	0.370	0.339	0.347	0.342		0.358	6.16
26)	S	2,4-Dichloropheno	0.323	0.353	0.298	0.332	0.340		0.329	6.25
27)	C	2,4-Dichloropheno	0.299	0.302	0.286	0.315	0.320		0.304	4.46
28)		Naphthalene	1.010	0.968	0.880	0.919	0.924		0.940	5.33
29)	S	4-Chloroaniline-d		0.424	0.414	0.418	0.396	0.320	0.394	10.92
30)		4-Chloroaniline		0.419	0.397	0.435	0.399	0.327	0.395	10.49
31)	C	Hexachlorobutadie	0.221	0.242	0.219	0.231	0.235		0.230	4.24
32)		Caprolactam		0.148	0.143	0.143	0.140	0.134	0.142	3.70
33)	C	4-Chloro-3-methyl	0.377	0.396	0.370	0.394	0.395		0.387	3.09
34)		2-Methylnaphthale	0.777	0.771	0.723	0.754	0.747		0.755	2.83
35)		1-Methylnaphthale	0.743	0.756	0.700	0.721	0.725		0.729	2.94
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.592	0.597	0.567	0.587	0.581		0.585	1.95
38)		Hexachlorocyclope		0.130	0.211	0.273	0.324	0.379	0.263	36.80
39)	C	2,4,6-Trichloroph	0.385	0.369	0.379	0.381	0.404		0.384	3.36
40)		2,4,5-Trichloroph	0.391	0.412	0.404	0.419	0.428		0.411	3.48
41)		1,1'-Biphenyl	1.370	1.447	1.326	1.380	1.366		1.378	3.18
42)		2-Chloronaphthale	1.108	1.103	1.038	1.081	1.077		1.081	2.56
43)		2-Nitroaniline	0.395	0.364	0.345	0.353	0.358		0.363	5.36
44)	S	Dimethylphthalate	1.616	1.639	1.468	1.505	1.506		1.547	4.88
45)		Dimethylphthalate	1.635	1.611	1.484	1.494	1.492		1.543	4.76
46)		2,6-Dinitrotoluen	0.376	0.375	0.330	0.347	0.348		0.355	5.57
47)	S	Acenaphthylene-d8	1.749	1.802	1.724	1.754	1.743		1.754	1.65
48)		Acenaphthylene	1.912	1.869	1.726	1.766	1.756		1.806	4.43
49)		3-Nitroaniline		0.312	0.306	0.317	0.310	0.306	0.310	1.44
50)	C	Acenaphthene	1.228	1.214	1.102	1.140	1.161		1.169	4.47
51)		2,4-Dinitrophenol		0.111	0.169	0.192	0.224	0.250	0.189	28.14

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.246	0.234	0.247	0.267	0.281	0.255	7.40
53)		4-Nitrophenol		0.264	0.257	0.271	0.307	0.334	0.287	11.42
54)		Dibenzofuran	1.707	1.772	1.694	1.712	1.717		1.721	1.76
55)		2,4-Dinitrotoluen	0.499	0.524	0.504	0.517	0.537		0.516	2.91
56)		2,3,4,6-Tetrachlo	0.354	0.389	0.352	0.385	0.401		0.376	5.79
57)		Diethylphthalate	1.680	1.724	1.583	1.586	1.611		1.637	3.82
58)	S	Fluorene-d10	1.422	1.464	1.352	1.341	1.369		1.390	3.72
59)		Fluorene	1.541	1.566	1.456	1.471	1.520		1.511	3.07
60)		4-Chlorophenyl-ph	0.829	0.827	0.778	0.810	0.834		0.816	2.81
61)		4-Nitroaniline		0.342	0.330	0.328	0.346	0.348	0.339	2.76
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.129	0.132	0.139	0.146	0.145	0.138	5.66
64)		4,6-Dinitro-2-met		0.129	0.128	0.139	0.148	0.149	0.139	7.05
65)		N-Nitrosodiphenyl	0.535	0.561	0.493	0.522	0.519		0.526	4.75
66)		4-Bromophenyl-phe	0.235	0.238	0.213	0.221	0.228		0.227	4.57
67)		Hexachlorobenzene	0.260	0.277	0.253	0.265	0.272		0.265	3.59
68)		Atrazine		0.256	0.233	0.241	0.238	0.229	0.239	4.40
69)	C	Pentachlorophenol		0.079	0.088	0.100	0.115	0.127	0.102	19.19
70)		Phenanthrene	1.048	1.065	0.954	0.994	0.985		1.009	4.59
71)	S	Anthracene-d10	0.911	0.926	0.829	0.871	0.861		0.880	4.44
72)		Anthracene	1.067	1.045	0.966	0.987	0.972		1.007	4.53
73)		1,2,3,4-Tetrachlo	0.251	0.241	0.219	0.237	0.242		0.238	5.09
74)		Pentachlorobenzen	0.257	0.273	0.254	0.271	0.276		0.266	3.81
75)		Carbazole		0.933	0.850	0.857	0.836	0.774	0.850	6.69
76)		Di-n-butylphthala	1.294	1.293	1.135	1.138	1.101		1.192	7.87
77)	C	Fluoranthene	1.236	1.256	1.137	1.126	1.113	0.966	1.139	9.14
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.260	1.205	1.045	1.042	1.045		1.119	9.39
80)		Pyrene	1.600	1.519	1.305	1.279	1.250		1.391	11.34
81)		Butylbenzylphthal	0.586	0.553	0.511	0.514	0.533		0.539	5.74
82)		3,3'-Dichlorobenz		0.393	0.422	0.443	0.468	0.440	0.433	6.43
83)		Benzo(a)anthracen	1.052	1.093	1.041	1.038	1.055		1.056	2.10
84)		Bis(2-ethylhexyl)	0.614	0.640	0.624	0.658	0.709		0.649	5.78
85)		Chrysene	0.937	0.974	0.924	0.947	0.960		0.949	2.04
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.233	1.300	1.404	1.390	1.261	1.318	5.80
88)		Benzo(b)fluoranth	1.062	1.179	1.174	1.337	1.380		1.227	10.62
89)		Benzo(k)fluoranth	1.104	1.091	1.099	1.248	1.339		1.176	9.52
90)	S	Benzo(a)pyrene-d1	0.987	1.034	0.958	1.056	1.168		1.041	7.78
91)	C	Benzo(a)pyrene	1.067	1.039	0.999	1.065	1.185		1.071	6.48
92)		Indeno(1,2,3-cd)p	1.316	1.349	1.265	1.301	1.393		1.325	3.67
93)		Dibenzo(a,h)anthr	1.119	1.161	1.126	1.164	1.243		1.163	4.22
94)		Benzo(g,h,i)peryl	1.087	1.098	1.041	1.058	1.092		1.075	2.28

(#) = Out of Range