Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG020816.M
Title : SVOA CALIBRATION
Last Update : Tue Feb 09 05:03:11 2016
Response Via : Initial Calibration

Calibration Files
5 =BG020805.D 10 =BG020806.D 20 =BG020807.D
40 =BG020808.D 80 =BG020809.D 160 =BG020810.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.519	0.545	0.493	0.484	0.451		0.499	7.12
3)	S	1,4-Dioxane-d8	0.378	0.414	0.442	0.423	0.403		0.412	5.74
4)		Benzaldehyde		1.272	1.305	1.276	1.147	0.600	1.120	26.53
5)	S	Phenol-d5		1.943	2.008	2.024	2.091	2.062	2.026	2.79
6)		Phenol		2.062	2.197	2.140	2.186	2.139	2.145	2.49
7)	S	Bis-(2-Chloroethy		1.152	1.124	1.071	1.048	1.011	1.081	5.27
8)		Bis(2-Chloroethyl		1.676	1.717	1.643	1.622	1.559	1.644	3.59
9)	S	2-Chlorophenol-d4	1.479	1.597	1.607	1.612	1.632		1.585	3.84
10)		2-Chlorophenol	1.544	1.607	1.672	1.645	1.681		1.630	3.44
11)		2-Methylphenol		1.611	1.735	1.696	1.732	1.709	1.697	2.96
12)		2,2'-oxybis(1-Chl		1.726	1.801	1.721	1.679	1.605	1.706	4.19
13)	S	4-Methylphenol-d8		1.710	1.801	1.761	1.787	1.747	1.761	2.01
14)		Acetophenone		2.674	2.755	2.659	2.669	2.558	2.663	2.64
15)	P	N-Nitroso-di-n-pr	1.262	1.357	1.414	1.361	1.341		1.347	4.07
16)		4-Methylphenol		1.830	1.935	1.882	1.913	1.853	1.883	2.27
17)		Hexachloroethane	0.597	0.612	0.619	0.608	0.603		0.608	1.43
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.152	0.155	0.168	0.164	0.163		0.160	4.19
20)		Nitrobenzene	0.313	0.338	0.360	0.337	0.335		0.337	4.87
21)		Isophorone	0.746	0.775	0.779	0.736	0.727		0.753	3.08
22)	S	2-Nitrophenol-d4	0.135	0.152	0.167	0.168	0.175		0.160	10.17
23)	C	2-Nitrophenol	0.164	0.182	0.194	0.197	0.197		0.187	7.50
24)		2,4-Dimethylpheno	0.350	0.379	0.390	0.377	0.373		0.374	3.92
25)		Bis(2-Chloroethox	0.476	0.485	0.496	0.470	0.461		0.478	2.84
26)	S	2,4-Dichloropheno	0.289	0.305	0.316	0.310	0.315		0.307	3.56
27)	C	2,4-Dichloropheno	0.310	0.319	0.330	0.324	0.328		0.322	2.54
28)		Naphthalene	1.099	1.120	1.151	1.099	1.085		1.111	2.30
29)	S	4-Chloroaniline-d		0.411	0.470	0.439	0.413	0.312	0.409	14.48
30)		4-Chloroaniline		0.428	0.497	0.467	0.436	0.335	0.432	14.05
31)	C	Hexachlorobutadie	0.153	0.158	0.158	0.151	0.149		0.154	2.64
32)		Caprolactam		0.138	0.144	0.125	0.132	0.115	0.131	8.52
33)	C	4-Chloro-3-methyl	0.362	0.381	0.396	0.367	0.377		0.377	3.52
34)		2-Methylnaphthale	0.834	0.844	0.873	0.827	0.826		0.841	2.29
35)		1-Methylnaphthale	0.779	0.819	0.825	0.775	0.784		0.796	2.97
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.518	0.556	0.595	0.589	0.593		0.570	5.86
38)		Hexachlorocyclope		0.268	0.291	0.316	0.325	0.355	0.311	10.62
39)	C	2,4,6-Trichloroph	0.372	0.401	0.435	0.420	0.434		0.412	6.43
40)		2,4,5-Trichloroph	0.433	0.447	0.478	0.456	0.468		0.456	3.86
41)		1,1'-Biphenyl	1.665	1.786	1.843	1.788	1.767		1.770	3.68
42)		2-Chloronaphthale	1.246	1.289	1.376	1.316	1.298		1.305	3.63
43)		2-Nitroaniline	0.315	0.353	0.381	0.358	0.367		0.355	6.93
44)	S	Dimethylphthalate	1.720	1.766	1.808	1.645	1.666		1.721	3.93
45)		Dimethylphthalate	1.812	1.867	1.889	1.681	1.710		1.792	5.18
46)		2,6-Dinitrotoluen	0.319	0.347	0.372	0.350	0.372		0.352	6.24
47)	S	Acenaphthylene-d8	2.001	2.115	2.211	2.087	2.098		2.102	3.57
48)		Acenaphthylene	2.222	2.310	2.451	2.290	2.259		2.306	3.79
49)		3-Nitroaniline		0.415	0.441	0.407	0.399	0.322	0.397	11.22
50)	C	Acenaphthene	1.555	1.631	1.676	1.590	1.603		1.611	2.83
51)		2,4-Dinitrophenol		0.088	0.118	0.132	0.173	0.178	0.138	27.58

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.341	0.364	0.333	0.359	0.326	0.345	4.73
53)		4-Nitrophenol		0.197	0.213	0.191	0.201	0.179	0.196	6.53
54)		Dibenzofuran	2.054	2.146	2.227	2.021	2.013		2.092	4.40
55)		2,4-Dinitrotoluen	0.432	0.488	0.526	0.486	0.511		0.489	7.25
56)		2,3,4,6-Tetrachlo	0.374	0.407	0.409	0.387	0.401		0.396	3.72
57)		Diethylphthalate	1.940	1.947	1.990	1.759	1.807		1.888	5.28
58)	S	Fluorene-d10	1.448	1.478	1.547	1.406	1.444		1.464	3.59
59)		Fluorene	1.811	1.851	1.910	1.750	1.778		1.820	3.44
60)		4-Chlorophenyl-ph	0.769	0.797	0.809	0.749	0.763		0.777	3.20
61)		4-Nitroaniline		0.477	0.495	0.449	0.446	0.380	0.449	9.78
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.075	0.089	0.099	0.109	0.113	0.097	16.10
64)		4,6-Dinitro-2-met		0.085	0.101	0.112	0.121	0.125	0.109	14.95
65)		N-Nitrosodiphenyl	0.651	0.682	0.707	0.703	0.690		0.687	3.27
66)		4-Bromophenyl-phe	0.201	0.210	0.222	0.219	0.223		0.215	4.36
67)		Hexachlorobenzene	0.227	0.233	0.242	0.239	0.242		0.237	2.72
68)		Atrazine		0.223	0.226	0.224	0.223	0.215	0.222	1.88
69)	C	Pentachlorophenol		0.119	0.137	0.141	0.147	0.152	0.139	8.93
70)		Phenanthrene	1.222	1.267	1.306	1.270	1.238		1.261	2.56
71)	S	Anthracene-d10	0.975	0.986	1.028	0.989	0.964		0.988	2.44
72)		Anthracene	1.253	1.283	1.328	1.270	1.210		1.269	3.39
73)		1,2,3,4-Tetrachlo	0.219	0.233	0.249	0.277	0.262		0.248	9.32
74)		Pentachlorobenzen	0.232	0.244	0.257	0.266	0.262		0.252	5.52
75)		Carbazole		1.138	1.169	1.122	1.105	1.039	1.114	4.34
76)		Di-n-butylphthala	1.390	1.433	1.481	1.458	1.404		1.433	2.63
77)	C	Fluoranthene		1.305	1.364	1.324	1.301	1.228	1.304	3.79
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.996	1.025	1.073	1.026	1.021		1.028	2.73
80)		Pyrene	1.422	1.468	1.505	1.438	1.388		1.444	3.09
81)		Butylbenzylphthal	0.633	0.662	0.687	0.685	0.684		0.670	3.44
82)		3,3'-Dichlorobenz		0.446	0.473	0.468	0.422	0.343	0.431	12.24
83)		Benzo(a)anthracen	1.272	1.309	1.351	1.303	1.285		1.304	2.29
84)		Bis(2-ethylhexyl)	0.960	1.009	1.045	1.028	1.038		1.016	3.36
85)		Chrysene	1.166	1.214	1.248	1.201	1.178		1.201	2.69
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.785	1.870	1.849	1.806	1.703	1.802	3.61
88)		Benzo(b)fluoranth	1.299	1.311	1.410	1.397	1.395		1.362	3.90
89)		Benzo(k)fluoranth	1.249	1.330	1.341	1.301	1.283		1.301	2.84
90)	S	Benzo(a)pyrene-d1	1.054	1.106	1.137	1.128	1.116		1.108	2.92
91)	C	Benzo(a)pyrene	1.243	1.283	1.317	1.313	1.288		1.289	2.28
92)		Indeno(1,2,3-cd)p	1.407	1.466	1.533	1.511	1.515		1.486	3.40
93)		Dibenzo(a,h)anthr	1.165	1.194	1.258	1.242	1.231		1.218	3.13
94)		Benzo(g,h,i)peryl	1.165	1.213	1.236	1.238	1.225		1.216	2.45

(#) = Out of Range