Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG031016.M
Title : SVOA CALIBRATION
Last Update : Fri Mar 11 00:30:31 2016
Response Via : Initial Calibration

Calibration Files
5 =BG021395.D 10 =BG021396.D 20 =BG021401.D
40 =BG021398.D 80 =BG021399.D 160 =BG021400.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.570	0.568	0.641	0.544	0.545		0.574	6.87
3)	S	1,4-Dioxane-d8	0.327	0.428	0.477	0.455	0.444		0.426	13.66
4)		Benzaldehyde		1.659	1.807	1.698	1.464	0.604	1.446	33.67
5)	S	Phenol-d5		2.048	2.339	2.273	2.339	2.319	2.264	5.45
6)		Phenol		2.181	2.475	2.429	2.480	2.425	2.398	5.18
7)	S	Bis-(2-Chloroethy		1.389	1.545	1.471	1.459	1.412	1.455	4.12
8)		Bis(2-Chloroethyl		1.667	1.785	1.734	1.733	1.700	1.724	2.56
9)	S	2-Chlorophenol-d4	1.386	1.520	1.609	1.591	1.621		1.546	6.30
10)		2-Chlorophenol	1.565	1.582	1.749	1.691	1.708		1.659	4.90
11)		2-Methylphenol		1.611	1.893	1.809	1.841	1.824	1.796	6.01
12)		2,2'-oxybis(1-Chl		2.674	2.892	2.749	2.692	2.575	2.716	4.28
13)	S	4-Methylphenol-d8		1.749	1.874	1.843	1.852	1.833	1.830	2.62
14)		Acetophenone		2.870	3.197	3.011	3.032	3.010	3.024	3.85
15)	P	N-Nitroso-di-n-pr	1.824	1.899	2.077	1.961	1.954		1.943	4.77
16)		4-Methylphenol		1.850	2.132	2.046	2.056	2.044	2.026	5.18
17)		Hexachloroethane	0.730	0.687	0.753	0.723	0.705		0.720	3.49
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.155	0.154	0.169	0.165	0.163		0.161	4.03
20)		Nitrobenzene	0.495	0.509	0.549	0.528	0.510		0.518	4.03
21)		Isophorone	1.007	1.025	1.075	1.036	0.977		1.024	3.52
22)	S	2-Nitrophenol-d4	0.155	0.173	0.192	0.184	0.182		0.177	7.99
23)	C	2-Nitrophenol	0.193	0.205	0.225	0.205	0.200		0.206	5.82
24)		2,4-Dimethylpheno	0.458	0.470	0.502	0.495	0.474		0.480	3.81
25)		Bis(2-Chloroethox	0.480	0.515	0.539	0.504	0.489		0.505	4.56
26)	S	2,4-Dichloropheno	0.295	0.326	0.335	0.326	0.325		0.322	4.80
27)	C	2,4-Dichloropheno	0.320	0.334	0.364	0.335	0.338		0.338	4.67
28)		Naphthalene	1.078	1.120	1.195	1.123	1.091		1.122	4.05
29)	S	4-Chloroaniline-d		0.442	0.490	0.445	0.411	0.321	0.422	14.97
30)		4-Chloroaniline		0.471	0.521	0.493	0.448	0.355	0.458	13.92
31)	C	Hexachlorobutadie	0.221	0.209	0.231	0.219	0.212		0.218	3.96
32)		Caprolactam		0.147	0.164	0.150	0.138	0.128	0.146	9.24
33)	C	4-Chloro-3-methyl	0.461	0.481	0.506	0.489	0.460		0.479	4.07
34)		2-Methylnaphthale	0.821	0.812	0.881	0.838	0.812		0.833	3.49
35)		1-Methylnaphthale	0.778	0.778	0.830	0.801	0.770		0.791	3.08
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.638	0.650	0.666	0.657	0.688		0.660	2.81
38)		Hexachlorocyclope		0.322	0.345	0.384	0.426	0.437	0.383	12.95
39)	C	2,4,6-Trichloroph	0.446	0.480	0.485	0.480	0.483		0.475	3.42
40)		2,4,5-Trichloroph	0.514	0.527	0.542	0.527	0.528		0.528	1.82
41)		1,1'-Biphenyl	1.645	1.663	1.701	1.677	1.702		1.678	1.46
42)		2-Chloronaphthale	1.254	1.297	1.332	1.309	1.330		1.304	2.43
43)		2-Nitroaniline	0.609	0.607	0.643	0.626	0.618		0.621	2.34
44)	S	Dimethylphthalate	1.716	1.757	1.774	1.718	1.690		1.731	1.97
45)		Dimethylphthalate	1.854	1.884	1.875	1.839	1.794		1.849	1.92
46)		2,6-Dinitrotoluen	0.366	0.383	0.407	0.390	0.390		0.387	3.78
47)	S	Acenaphthylene-d8	2.086	2.088	2.147	2.112	2.114		2.109	1.17
48)		Acenaphthylene	2.115	2.183	2.223	2.165	2.143		2.166	1.89
49)		3-Nitroaniline		0.390	0.429	0.411	0.352	0.324	0.381	11.29
50)	C	Acenaphthene	1.480	1.504	1.542	1.494	1.489		1.502	1.60
51)		2,4-Dinitrophenol		0.111	0.162	0.208	0.240	0.248	0.194	29.57

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.311	0.355	0.332	0.333	0.305	0.327	6.02
53)		4-Nitrophenol		0.379	0.422	0.417	0.399	0.370	0.397	5.77
54)		Dibenzofuran	2.063	2.117	2.137	2.023	2.008		2.070	2.73
55)		2,4-Dinitrotoluen	0.585	0.570	0.608	0.578	0.567		0.582	2.86
56)		2,3,4,6-Tetrachlo	0.454	0.462	0.474	0.460	0.456		0.461	1.70
57)		Diethylphthalate	2.018	2.062	2.116	2.032	1.935		2.033	3.25
58)	S	Fluorene-d10	1.538	1.515	1.567	1.494	1.491		1.521	2.09
59)		Fluorene	1.825	1.800	1.824	1.816	1.780		1.809	1.05
60)		4-Chlorophenyl-ph	0.912	0.894	0.924	0.909	0.896		0.907	1.37
61)		4-Nitroaniline		0.488	0.483	0.482	0.427	0.403	0.457	8.47
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.111	0.129	0.136	0.145	0.148	0.134	10.86
64)		4,6-Dinitro-2-met		0.117	0.139	0.150	0.158	0.160	0.145	12.11
65)		N-Nitrosodiphenyl	0.644	0.664	0.681	0.653	0.671		0.663	2.21
66)		4-Bromophenyl-phe	0.208	0.233	0.225	0.229	0.235		0.226	4.77
67)		Hexachlorobenzene	0.236	0.240	0.248	0.237	0.241		0.240	1.97
68)		Atrazine		0.256	0.260	0.252	0.251	0.240	0.252	3.02
69)	C	Pentachlorophenol		0.107	0.132	0.138	0.145	0.154	0.135	13.19
70)		Phenanthrene	1.171	1.196	1.225	1.181	1.176		1.190	1.84
71)	S	Anthracene-d10	0.979	1.014	1.022	0.986	0.991		0.998	1.88
72)		Anthracene	1.171	1.224	1.251	1.212	1.198		1.211	2.47
73)		1,2,3,4-Tetrachlo	0.235	0.249	0.257	0.259	0.273		0.255	5.46
74)		Pentachlorobenzen	0.265	0.266	0.275	0.271	0.282		0.272	2.52
75)		Carbazole		1.080	1.076	1.040	1.034	1.005	1.047	2.99
76)		Di-n-butylphthala	1.394	1.449	1.472	1.401	1.418		1.427	2.32
77)	C	Fluoranthene		1.398	1.424	1.348	1.375	1.324	1.374	2.88
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.007	1.047	1.067	0.998	0.984		1.020	3.43
80)		Pyrene	1.305	1.377	1.405	1.321	1.283		1.338	3.81
81)		Butylbenzylphthal	0.610	0.620	0.633	0.606	0.603		0.614	1.97
82)		3,3'-Dichlorobenz		0.462	0.489	0.465	0.418	0.365	0.440	11.14
83)		Benzo(a)anthracen	1.306	1.322	1.351	1.284	1.266		1.306	2.52
84)		Bis(2-ethylhexyl)	0.907	0.916	0.957	0.900	0.894		0.915	2.72
85)		Chrysene	1.189	1.223	1.266	1.183	1.182		1.209	2.99
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.663	1.727	1.680	1.625	1.566	1.652	3.67
88)		Benzo(b)fluoranth	1.325	1.369	1.407	1.361	1.379		1.368	2.18
89)		Benzo(k)fluoranth	1.336	1.332	1.366	1.341	1.286		1.332	2.17
90)	S	Benzo(a)pyrene-d1	1.037	1.074	1.107	1.063	1.067		1.069	2.35
91)	C	Benzo(a)pyrene	1.360	1.336	1.369	1.337	1.315		1.343	1.60
92)		Indeno(1,2,3-cd)p	1.423	1.484	1.526	1.477	1.468		1.476	2.51
93)		Dibenzo(a,h)anthr	1.209	1.253	1.292	1.266	1.248		1.254	2.40
94)		Benzo(g,h,i)peryl	1.203	1.237	1.248	1.201	1.197		1.217	1.94

(#) = Out of Range