Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG102815.M
Title : SVOA CALIBRATION
Last Update : Fri Nov 06 05:07:22 2015
Response Via : Initial Calibration

Calibration Files
5 =BG019376.D 10 =BG019377.D 20 =BG019378.D
40 =BG019379.D 80 =BG019380.D 160 =BG019381.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.594	0.466	0.389	0.477	0.451		0.476	15.69
3)	S	1,4-Dioxane-d8	0.522	0.413	0.363	0.410	0.380		0.418	14.89
4)		Benzaldehyde		1.543	1.378	1.444	1.139	0.467	1.194	36.26
5)	S	Phenol-d5		1.751	1.746	1.905	1.842	1.936	1.836	4.74
6)		Phenol		1.830	1.917	2.027	1.974	2.032	1.956	4.33
7)	S	Bis-(2-Chloroethy		1.164	1.127	1.203	1.169	1.156	1.164	2.34
8)		Bis(2-Chloroethyl		1.375	1.329	1.352	1.318	1.345	1.344	1.63
9)	S	2-Chlorophenol-d4	1.151	1.145	1.102	1.166	1.166		1.146	2.28
10)		2-Chlorophenol	1.235	1.116	1.143	1.212	1.192		1.180	4.18
11)		2-Methylphenol		1.399	1.385	1.525	1.427	1.497	1.446	4.24
12)		2,2'-oxybis(1-Chl		1.127	1.030	1.080	1.070	1.078	1.077	3.21
13)	S	4-Methylphenol-d8		1.346	1.437	1.498	1.490	1.542	1.462	5.14
14)		Acetophenone		2.427	2.455	2.507	2.409	2.476	2.455	1.58
15)	P	N-Nitroso-di-n-pr	1.813	1.529	1.508	1.634	1.563		1.609	7.67
16)		4-Methylphenol		1.464	1.551	1.618	1.621	1.644	1.580	4.64
17)		Hexachloroethane	0.661	0.691	0.539	0.609	0.582		0.616	9.83
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.159	0.135	0.143	0.150	0.148		0.147	6.07
20)		Nitrobenzene	0.581	0.587	0.564	0.575	0.566		0.575	1.72
21)		Isophorone	1.106	1.030	1.008	1.029	1.032		1.041	3.64
22)	S	2-Nitrophenol-d4	0.176	0.162	0.178	0.179	0.178		0.174	4.10
23)	C	2-Nitrophenol	0.216	0.192	0.192	0.198	0.193		0.198	5.19
24)		2,4-Dimethylpheno	0.544	0.507	0.506	0.520	0.511		0.518	3.05
25)		Bis(2-Chloroethox	0.497	0.495	0.486	0.497	0.490		0.493	0.98
26)	S	2,4-Dichloropheno	0.371	0.363	0.375	0.390	0.393		0.379	3.35
27)	C	2,4-Dichloropheno	0.366	0.345	0.372	0.362	0.365		0.362	2.83
28)		Naphthalene	1.030	0.987	0.995	0.995	0.998		1.001	1.66
29)	S	4-Chloroaniline-d		0.409	0.440	0.404	0.371	0.292	0.383	14.80
30)		4-Chloroaniline		0.438	0.449	0.428	0.387	0.306	0.401	14.58
31)	C	Hexachlorobutadie	0.408	0.360	0.372	0.352	0.356		0.370	6.14
32)		Caprolactam		0.143	0.130	0.129	0.127	0.119	0.130	6.55
33)	C	4-Chloro-3-methyl	0.513	0.449	0.489	0.492	0.485		0.486	4.77
34)		2-Methylnaphthale	0.834	0.795	0.803	0.803	0.786		0.804	2.25
35)		1-Methylnaphthale	0.781	0.742	0.774	0.773	0.734		0.761	2.79
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.846	0.795	0.828	0.835	0.818		0.824	2.37
38)		Hexachlorocyclope		0.554	0.614	0.628	0.616	0.647	0.612	5.66
39)	C	2,4,6-Trichloroph	0.488	0.463	0.490	0.500	0.495		0.487	2.88
40)		2,4,5-Trichloroph	0.580	0.517	0.522	0.539	0.516		0.535	5.01
41)		1,1'-Biphenyl	1.438	1.371	1.442	1.449	1.368		1.414	2.87
42)		2-Chloronaphthale	1.152	1.066	1.102	1.116	1.078		1.103	3.08
43)		2-Nitroaniline	0.456	0.446	0.480	0.502	0.474		0.472	4.65
44)	S	Dimethylphthalate	1.710	1.635	1.648	1.658	1.595		1.649	2.53
45)		Dimethylphthalate	1.828	1.689	1.663	1.666	1.586		1.686	5.22
46)		2,6-Dinitrotoluen	0.346	0.326	0.341	0.351	0.344		0.341	2.75
47)	S	Acenaphthylene-d8	1.856	1.778	1.843	1.871	1.784		1.826	2.34
48)		Acenaphthylene	1.912	1.909	1.863	1.881	1.790		1.871	2.65
49)		3-Nitroaniline		0.310	0.308	0.308	0.275	0.269	0.294	6.83
50)	C	Acenaphthene	1.364	1.216	1.261	1.269	1.208		1.263	4.93
51)		2,4-Dinitrophenol		0.213	0.245	0.273	0.270	0.282	0.257	10.84

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.256	0.265	0.263	0.262	0.263	0.262	1.31
53)		4-Nitrophenol		0.403	0.415	0.419	0.408	0.397	0.409	2.24
54)		Dibenzofuran	1.945	1.856	1.871	1.864	1.767		1.861	3.41
55)		2,4-Dinitrotoluen	0.587	0.536	0.532	0.524	0.516		0.539	5.22
56)		2,3,4,6-Tetrachlo	0.556	0.546	0.565	0.570	0.558		0.559	1.60
57)		Diethylphthalate	1.780	1.695	1.654	1.625	1.571		1.665	4.72
58)	S	Fluorene-d10	1.664	1.497	1.556	1.480	1.430		1.525	5.87
59)		Fluorene	1.707	1.602	1.625	1.626	1.555		1.623	3.39
60)		4-Chlorophenyl-ph	0.995	0.964	0.962	0.966	0.936		0.965	2.16
61)		4-Nitroaniline		0.339	0.346	0.350	0.321	0.333	0.338	3.41
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.113	0.128	0.130	0.136	0.140	0.129	8.02
64)		4,6-Dinitro-2-met		0.127	0.138	0.142	0.146	0.147	0.140	5.81
65)		N-Nitrosodiphenyl	0.525	0.519	0.518	0.516	0.509		0.517	1.07
66)		4-Bromophenyl-phe	0.240	0.230	0.240	0.239	0.239		0.238	1.72
67)		Hexachlorobenzene	0.262	0.238	0.254	0.252	0.256		0.252	3.45
68)		Atrazine		0.256	0.259	0.261	0.260	0.247	0.256	2.24
69)	C	Pentachlorophenol		0.123	0.142	0.149	0.161	0.169	0.149	12.19
70)		Phenanthrene	1.084	0.998	1.008	0.996	0.961		1.009	4.49
71)	S	Anthracene-d10	0.979	0.913	0.903	0.895	0.869		0.912	4.49
72)		Anthracene	1.106	1.021	1.023	1.017	0.977		1.029	4.56
73)		1,2,3,4-Tetrachlo	0.284	0.275	0.297	0.298	0.295		0.290	3.54
74)		Pentachlorobenzen	0.292	0.283	0.296	0.296	0.294		0.292	1.82
75)		Carbazole		0.832	0.854	0.837	0.815	0.767	0.821	4.05
76)		Di-n-butylphthala	1.115	1.022	1.007	0.995	0.950		1.018	5.96
77)	C	Fluoranthene		1.396	1.384	1.338	1.277	1.138	1.307	8.04
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.912	0.873	0.877	0.888	0.826		0.875	3.57
80)		Pyrene	1.183	1.136	1.124	1.131	1.038		1.122	4.68
81)		Butylbenzylphthal	0.377	0.365	0.363	0.367	0.352		0.365	2.47
82)		3,3'-Dichlorobenz		0.391	0.420	0.423	0.372	0.354	0.392	7.65
83)		Benzo(a)anthracen	1.230	1.184	1.160	1.163	1.087		1.165	4.44
84)		Bis(2-ethylhexyl)	0.537	0.519	0.512	0.520	0.503		0.518	2.49
85)		Chrysene	1.159	1.115	1.081	1.086	1.023		1.093	4.56
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		0.917	0.931	0.939	0.888	0.853	0.906	3.92
88)		Benzo(b)fluoranth	1.246	1.156	1.168	1.189	1.140		1.180	3.48
89)		Benzo(k)fluoranth	1.175	1.141	1.124	1.153	1.084		1.135	3.00
90)	S	Benzo(a)pyrene-d1	1.043	1.008	0.989	1.011	0.969		1.004	2.75
91)	C	Benzo(a)pyrene	1.207	1.124	1.118	1.136	1.081		1.133	4.08
92)		Indeno(1,2,3-cd)p	1.338	1.253	1.256	1.292	1.244		1.277	3.06
93)		Dibenzo(a,h)anthr	1.140	1.051	1.041	1.072	1.025		1.066	4.23
94)		Benzo(g,h,i)peryl	0.680	1.040	1.033	1.074	1.017		0.969	16.78

(#) = Out of Range