Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG021015.M
Title : SVOA CALIBRATION
Last Update : Wed Feb 11 03:19:42 2015
Response Via : Initial Calibration

Calibration Files
20 =BG015974.D 5 =BG015972.D 10 =BG015973.D
40 =BG015975.D 80 =BG015976.D 160 =BG015977.D

		Compound	20	5	10	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------		ISTD	----------				
2)		1,4-Dioxane	0.223	0.247	0.221	0.216	0.209		0.223	6.42
3)	S	1,4-Dioxane-d8	0.187	0.224	0.197	0.187	0.181		0.195	8.79
4)		Benzaldehyde	0.676		0.653	0.707	0.608	0.307	0.590	27.49
5)	S	Phenol-d5	1.964		1.949	2.028	2.043	1.938	1.984	2.42
6)		Phenol	2.074		2.012	2.149	2.126	1.975	2.067	3.56
7)	S	Bis-(2-Chloroethy	1.158		1.143	1.168	1.146	1.100	1.143	2.29
8)		Bis(2-Chloroethyl	1.623		1.598	1.622	1.593	1.490	1.585	3.45
9)	S	2-Chlorophenol-d4	1.457	1.449	1.430	1.504	1.516		1.471	2.52
10)		2-Chlorophenol	1.490	1.454	1.455	1.535	1.509		1.489	2.34
11)		2-Methylphenol	1.523		1.494	1.568	1.570	1.511	1.533	2.25
12)		2,2'-oxybis(1-Chl	2.251		2.252	2.235	2.194	2.047	2.196	3.93
13)	S	4-Methylphenol-d8	1.541		1.480	1.566	1.592	1.533	1.543	2.70
14)		Acetophenone	2.277		2.249	2.255	2.213	2.091	2.217	3.34
15)	P	N-Nitroso-di-n-pr	1.365	1.280	1.361	1.360	1.346		1.342	2.65
16)		4-Methylphenol	1.736		1.667	1.750	1.743	1.706	1.720	2.00
17)		Hexachloroethane	0.568	0.596	0.574	0.578	0.574		0.578	1.84
18)	I	Naphthalene-d8	----------		ISTD	----------				
19)	S	Nitrobenzene-d5	0.166	0.165	0.163	0.172	0.167		0.167	1.97
20)		Nitrobenzene	0.386	0.388	0.377	0.388	0.371		0.382	2.00
21)		Isophorone	0.817	0.792	0.791	0.788	0.736		0.785	3.75
22)	S	2-Nitrophenol-d4	0.172	0.159	0.161	0.180	0.180		0.170	5.93
23)	C	2-Nitrophenol	0.187	0.174	0.173	0.192	0.189		0.183	4.83
24)		2,4-Dimethylpheno	0.383	0.367	0.363	0.378	0.367		0.372	2.27
25)		Bis(2-Chloroethox	0.473	0.464	0.457	0.457	0.437		0.458	2.87
26)	S	2,4-Dichloropheno	0.311	0.288	0.289	0.309	0.305		0.300	3.61
27)	C	2,4-Dichloropheno	0.297	0.289	0.284	0.297	0.292		0.292	1.95
28)		Naphthalene	1.079	1.103	1.049	1.031	0.942		1.041	5.90
29)	S	4-Chloroaniline-d	0.379		0.368	0.362	0.325	0.236	0.334	17.51
30)		4-Chloroaniline	0.383		0.368	0.361	0.326	0.239	0.335	17.27
31)	C	Hexachlorobutadie	0.155	0.157	0.153	0.152	0.150		0.153	1.88
32)		Caprolactam	0.162		0.147	0.157	0.154	0.162	0.156	4.00
33)	C	4-Chloro-3-methyl	0.369	0.341	0.354	0.360	0.349		0.355	3.01
34)		2-Methylnaphthale	0.778	0.762	0.760	0.745	0.693		0.748	4.34
35)	I	Acenaphthene-d10	----------		ISTD	----------				
36)		1,2,4,5-Tetrachlo	0.502	0.536	0.501	0.517	0.505		0.512	2.89
37)		Hexachlorocyclope	0.309		0.305	0.322	0.329	0.329	0.319	3.54
38)	C	2,4,6-Trichloroph	0.344	0.328	0.326	0.358	0.357		0.343	4.47
39)		2,4,5-Trichloroph	0.384	0.360	0.374	0.391	0.386		0.379	3.23
40)		1,1'-Biphenyl	1.548	1.616	1.536	1.496	1.360		1.511	6.28
41)		2-Chloronaphthale	1.158	1.165	1.122	1.114	1.064		1.124	3.60
42)		2-Nitroaniline	0.384	0.368	0.353	0.392	0.392		0.378	4.48
43)	S	Dimethylphthalate	1.390	1.439	1.352	1.307	1.228		1.343	6.00
44)		Dimethylphthalate	1.498	1.567	1.462	1.405	1.320		1.450	6.47
45)		2,6-Dinitrotoluen	0.315	0.296	0.297	0.324	0.328		0.312	4.81
46)	S	Acenaphthylene-d8	1.897	1.929	1.866	1.807	1.656		1.831	5.90
47)		Acenaphthylene	2.042	2.100	2.030	1.932	1.730		1.967	7.41
48)		3-Nitroaniline	0.368		0.332	0.369	0.346	0.311	0.345	7.10
49)	C	Acenaphthene	1.333	1.375	1.319	1.279	1.207		1.303	4.86
50)		2,4-Dinitrophenol	0.143		0.123	0.165	0.190	0.207	0.166	20.66
51)	S	4-Nitrophenol-d4	0.337		0.312	0.340	0.346	0.340	0.335	3.97

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		Compound	20	5	10	40	80	160	Avg	%RSD
52)		4-Nitrophenol	0.193		0.176	0.190	0.194	0.191	0.189	3.81
53)		Dibenzofuran	1.804	1.901	1.793	1.696	1.541		1.747	7.79
54)		2,4-Dinitrotoluen	0.450	0.410	0.407	0.452	0.460		0.436	5.75
55)		2,3,4,6-Tetrachlo	0.334	0.315	0.319	0.336	0.346		0.330	3.85
56)		Diethylphthalate	1.571	1.616	1.513	1.447	1.357		1.501	6.82
57)	S	Fluorene-d10	1.347	1.405	1.320	1.270	1.207		1.310	5.76
58)		Fluorene	1.597	1.637	1.559	1.494	1.366		1.530	6.94
59)		4-Chlorophenyl-ph	0.715	0.764	0.707	0.679	0.661		0.705	5.54
60)		4-Nitroaniline	0.433		0.391	0.437	0.436	0.428	0.425	4.55
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met	0.105		0.091	0.122	0.131	0.142	0.118	17.15
63)		4,6-Dinitro-2-met	0.115		0.106	0.134	0.140	0.148	0.129	13.55
64)		N-Nitrosodiphenyl	0.650	0.635	0.627	0.637	0.580		0.626	4.31
65)		4-Bromophenyl-phe	0.208	0.210	0.205	0.213	0.204		0.208	1.76
66)		Hexachlorobenzene	0.233	0.237	0.228	0.238	0.230		0.233	1.93
67)		Atrazine	0.217		0.211	0.217	0.205	0.185	0.207	6.33
68)	C	Pentachlorophenol	0.132		0.118	0.143	0.148	0.154	0.139	10.38
69)		Phenanthrene	1.128	1.168	1.126	1.062	0.917		1.080	9.13
70)	S	Anthracene-d10	0.949	0.971	0.934	0.918	0.820		0.919	6.34
71)		Anthracene	1.164	1.221	1.157	1.093	0.932		1.114	9.97
72)		Carbazole	1.114		1.102	1.060	0.924	0.725	0.985	16.65
73)		Di-n-butylphthala	1.349	1.411	1.317	1.231	1.015		1.265	12.18
74)	C	Fluoranthene	1.288		1.263	1.184	0.992	0.745	1.095	20.75#
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.915	0.917	0.906	0.893	0.818		0.890	4.62
77)		Pyrene	1.221	1.278	1.227	1.140	0.953		1.164	10.98
78)		Butylbenzylphthal	0.544	0.525	0.529	0.535	0.502		0.527	2.94
79)		3,3'-Dichlorobenz	0.402		0.377	0.397	0.363	0.319	0.372	8.91
80)		Benzo(a)anthracen	1.134	1.217	1.164	1.063	0.899		1.095	11.22
81)		Bis(2-ethylhexyl)	0.722	0.710	0.707	0.705	0.645		0.698	4.35
82)		Chrysene	1.082	1.139	1.086	0.989	0.838		1.027	11.54
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal	1.280		1.214	1.230	1.030	0.756	1.102	19.54
85)		Benzo(b)fluoranth	1.153	1.170	1.131	1.128	1.036		1.124	4.63
86)		Benzo(k)fluoranth	1.147	1.145	1.071	1.094	0.955		1.082	7.25
87)	S	Benzo(a)pyrene-d1	0.905	0.892	0.862	0.908	0.861		0.886	2.60
88)	C	Benzo(a)pyrene	1.129	1.131	1.076	1.100	1.000		1.087	4.93
89)		Indeno(1,2,3-cd)p	1.326	1.335	1.262	1.328	1.275		1.305	2.61
90)		Dibenzo(a,h)anthr	1.124	1.119	1.065	1.120	1.064		1.099	2.82
91)		Benzo(g,h,i)peryl	1.101	1.109	1.056	1.108	1.072		1.089	2.19

(#) = Out of Range