Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG011216.M
Title : SVOA CALIBRATION
Last Update : Wed Jan 13 07:56:00 2016
Response Via : Initial Calibration

Calibration Files
5 =BG020672.D 10 =BG020673.D 20 =BG020691.D
40 =BG020675.D 80 =BG020676.D 160 =BG020677.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.492	0.497	0.565	0.482	0.438		0.495	9.21
3)	S	1,4-Dioxane-d8	0.394	0.426	0.437	0.412	0.377		0.409	5.89
4)		Benzaldehyde		1.197	1.193	1.234	1.169	1.071	1.173	5.24
5)	S	Phenol-d5		1.659	1.748	1.729	1.713	1.720	1.714	1.94
6)		Phenol		1.772	1.848	1.908	1.856	1.831	1.843	2.65
7)	S	Bis-(2-Chloroethy		1.031	1.075	1.071	0.992	0.984	1.031	4.14
8)		Bis(2-Chloroethyl		1.384	1.386	1.398	1.327	1.285	1.356	3.57
9)	S	2-Chlorophenol-d4	1.184	1.369	1.413	1.401	1.355		1.344	6.88
10)		2-Chlorophenol	1.277	1.386	1.514	1.453	1.418		1.410	6.25
11)		2-Methylphenol		1.365	1.430	1.452	1.427	1.421	1.419	2.29
12)		2,2'-oxybis(1-Chl		1.795	1.828	1.798	1.729	1.635	1.757	4.39
13)	S	4-Methylphenol-d8		1.382	1.449	1.498	1.457	1.442	1.446	2.89
14)		Acetophenone		2.381	2.471	2.455	2.341	2.278	2.385	3.35
15)	P	N-Nitroso-di-n-pr	1.107	1.247	1.237	1.264	1.193		1.210	5.22
16)		4-Methylphenol		1.496	1.617	1.633	1.580	1.542	1.574	3.56
17)		Hexachloroethane	0.559	0.616	0.614	0.628	0.578		0.599	4.84
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.128	0.160	0.171	0.165	0.164		0.158	10.66
20)		Nitrobenzene	0.373	0.405	0.439	0.425	0.409		0.410	5.98
21)		Isophorone	0.749	0.814	0.847	0.804	0.798		0.802	4.41
22)	S	2-Nitrophenol-d4	0.156	0.182	0.186	0.196	0.197		0.183	9.02
23)	C	2-Nitrophenol	0.184	0.201	0.216	0.209	0.208		0.203	6.05
24)		2,4-Dimethylpheno	0.383	0.416	0.463	0.439	0.436		0.427	6.94
25)		Bis(2-Chloroethox	0.422	0.454	0.464	0.459	0.448		0.449	3.71
26)	S	2,4-Dichloropheno	0.287	0.346	0.381	0.361	0.369		0.349	10.58
27)	C	2,4-Dichloropheno	0.325	0.368	0.398	0.379	0.382		0.370	7.45
28)		Naphthalene	1.092	1.177	1.182	1.115	1.086		1.130	4.08
29)	S	4-Chloroaniline-d		0.309	0.350	0.370	0.378	0.319	0.345	8.82
30)		4-Chloroaniline		0.329	0.396	0.396	0.396	0.339	0.371	9.18
31)	C	Hexachlorobutadie	0.309	0.332	0.329	0.303	0.301		0.315	4.66
32)		Caprolactam		0.122	0.133	0.133	0.125	0.120	0.126	5.02
33)	C	4-Chloro-3-methyl	0.326	0.410	0.435	0.414	0.415		0.400	10.67
34)		2-Methylnaphthale	0.821	0.859	0.874	0.845	0.818		0.843	2.85
35)		1-Methylnaphthale	0.749	0.805	0.838	0.801	0.784		0.796	4.11
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.820	0.805	0.832	0.825	0.807		0.818	1.42
38)		Hexachlorocyclope		0.044	0.093	0.167	0.251	0.324	0.176	64.73
39)	C	2,4,6-Trichloroph	0.390	0.435	0.457	0.473	0.476		0.446	7.96
40)		2,4,5-Trichloroph	0.446	0.477	0.486	0.521	0.518		0.490	6.31
41)		1,1'-Biphenyl	1.588	1.610	1.650	1.598	1.556		1.600	2.13
42)		2-Chloronaphthale	1.277	1.310	1.362	1.295	1.274		1.303	2.75
43)		2-Nitroaniline	0.317	0.355	0.403	0.405	0.394		0.375	10.10
44)	S	Dimethylphthalate	1.718	1.755	1.832	1.754	1.667		1.745	3.46
45)		Dimethylphthalate	1.889	1.938	1.965	1.853	1.732		1.875	4.86
46)		2,6-Dinitrotoluen	0.325	0.368	0.376	0.387	0.380		0.367	6.68
47)	S	Acenaphthylene-d8	1.891	2.004	2.019	1.984	1.901		1.960	3.03
48)		Acenaphthylene	1.973	2.105	2.154	2.109	2.002		2.069	3.73
49)		3-Nitroaniline		0.312	0.342	0.355	0.333	0.285	0.325	8.45
50)	C	Acenaphthene	1.387	1.459	1.481	1.435	1.377		1.428	3.15
51)		2,4-Dinitrophenol		0.017	0.046	0.096	0.139	0.179	0.095	69.08

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.165	0.239	0.255	0.258	0.254	0.234	16.92
53)		4-Nitrophenol		0.161	0.217	0.239	0.233	0.231	0.216	14.87
54)		Dibenzofuran	2.090	2.223	2.239	2.153	2.039		2.149	3.97
55)		2,4-Dinitrotoluen	0.480	0.552	0.586	0.588	0.557		0.552	7.91
56)		2,3,4,6-Tetrachlo	0.362	0.400	0.460	0.475	0.484		0.436	12.10
57)		Diethylphthalate	1.898	1.945	2.013	1.885	1.777		1.903	4.55
58)	S	Fluorene-d10	1.540	1.577	1.632	1.544	1.486		1.556	3.45
59)		Fluorene	1.749	1.805	1.805	1.759	1.645		1.753	3.75
60)		4-Chlorophenyl-ph	0.992	1.056	1.053	1.011	0.977		1.018	3.50
61)		4-Nitroaniline		0.314	0.421	0.416	0.402	0.332	0.377	13.29
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.076	0.103	0.111	0.126	0.127	0.109	19.19
64)		4,6-Dinitro-2-met		0.080	0.112	0.124	0.131	0.138	0.117	19.59
65)		N-Nitrosodiphenyl	0.550	0.586	0.610	0.579	0.572		0.579	3.75
66)		4-Bromophenyl-phe	0.249	0.255	0.257	0.249	0.255		0.253	1.54
67)		Hexachlorobenzene	0.274	0.282	0.285	0.278	0.281		0.280	1.47
68)		Atrazine		0.261	0.276	0.259	0.254	0.235	0.257	5.74
69)	C	Pentachlorophenol		0.039	0.066	0.078	0.095	0.106	0.077	34.05#
70)		Phenanthrene	1.206	1.229	1.240	1.162	1.113		1.190	4.41
71)	S	Anthracene-d10	0.972	1.013	1.019	0.961	0.937		0.980	3.55
72)		Anthracene	1.220	1.227	1.276	1.169	1.114		1.201	5.15
73)		1,2,3,4-Tetrachlo	0.275	0.290	0.292	0.286	0.296		0.288	2.82
74)		Pentachlorobenzen	0.288	0.303	0.306	0.296	0.305		0.300	2.57
75)		Carbazole		1.042	1.066	1.003	0.948	0.864	0.984	8.18
76)		Di-n-butylphthala	1.156	1.239	1.303	1.194	1.130		1.204	5.71
77)	C	Fluoranthene		1.581	1.600	1.480	1.363	1.209	1.447	11.27
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.947	0.968	0.989	0.956	0.897		0.951	3.58
80)		Pyrene	1.264	1.328	1.327	1.265	1.156		1.268	5.54
81)		Butylbenzylphthal	0.399	0.414	0.443	0.444	0.432		0.426	4.61
82)		3,3'-Dichlorobenz		0.404	0.417	0.417	0.404	0.331	0.395	9.19
83)		Benzo(a)anthracen	1.226	1.274	1.295	1.256	1.188		1.248	3.37
84)		Bis(2-ethylhexyl)	0.591	0.622	0.655	0.646	0.629		0.629	3.89
85)		Chrysene	1.204	1.199	1.205	1.185	1.106		1.180	3.58
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.133	1.198	1.159	1.134	1.039	1.133	5.18
88)		Benzo(b)fluoranth	1.269	1.252	1.341	1.307	1.274		1.288	2.74
89)		Benzo(k)fluoranth	1.239	1.321	1.323	1.252	1.227		1.272	3.63
90)	S	Benzo(a)pyrene-d1	1.001	1.061	1.111	1.082	1.076		1.066	3.85
91)	C	Benzo(a)pyrene	1.198	1.262	1.283	1.245	1.211		1.240	2.84
92)		Indeno(1,2,3-cd)p	1.384	1.458	1.514	1.477	1.482		1.463	3.30
93)		Dibenzo(a,h)anthr	1.137	1.190	1.255	1.225	1.218		1.205	3.68
94)		Benzo(g,h,i)peryl	1.148	1.198	1.245	1.222	1.220		1.207	3.05

(#) = Out of Range