Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG052116.M
Title : SVOA CALIBRATION
Last Update : Mon May 23 17:16:55 2016
Response Via : Initial Calibration

Calibration Files
5 =BG021974.D 10 =BG021975.D 20 =BG021976.D
40 =BG021977.D 80 =BG021978.D 160 =BG021979.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.677	0.810	0.671	0.670	0.651		0.696	9.32
3)	S	1,4-Dioxane-d8	0.367	0.389	0.371	0.404	0.388		0.384	3.89
4)		Benzaldehyde		1.033	1.105	1.080	0.914	0.847	0.996	11.16
5)	S	Phenol-d5		1.709	1.747	1.840	1.810	1.930	1.807	4.75
6)		Phenol		1.739	1.824	1.833	1.785	1.918	1.820	3.63
7)	S	Bis-(2-Chloroethy		0.939	0.939	0.957	0.923	0.979	0.947	2.28
8)		Bis(2-Chloroethyl		1.329	1.323	1.332	1.294	1.370	1.330	2.07
9)	S	2-Chlorophenol-d4	1.489	1.589	1.501	1.525	1.449		1.511	3.42
10)		2-Chlorophenol	1.436	1.532	1.507	1.505	1.464		1.489	2.59
11)		2-Methylphenol		1.456	1.445	1.433	1.419	1.515	1.454	2.53
12)		2,2'-oxybis(1-Chl		1.690	1.626	1.583	1.491	1.553	1.589	4.72
13)	S	4-Methylphenol-d8		1.494	1.541	1.528	1.493	1.606	1.533	3.02
14)		Acetophenone		2.110	2.171	2.158	2.082	2.199	2.144	2.20
15)	P	N-Nitroso-di-n-pr	1.121	1.120	1.120	1.121	1.052		1.107	2.75
16)		4-Methylphenol		1.556	1.577	1.564	1.513	1.626	1.567	2.58
17)		Hexachloroethane	0.622	0.620	0.596	0.581	0.549		0.594	5.09
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.135	0.150	0.150	0.150	0.153		0.148	4.95
20)		Nitrobenzene	0.283	0.295	0.306	0.304	0.305		0.299	3.27
21)		Isophorone	0.640	0.638	0.662	0.620	0.622		0.636	2.66
22)	S	2-Nitrophenol-d4	0.146	0.159	0.165	0.163	0.166		0.160	5.07
23)	C	2-Nitrophenol	0.153	0.163	0.173	0.169	0.176		0.167	5.39
24)		2,4-Dimethylpheno	0.312	0.323	0.334	0.319	0.323		0.322	2.41
25)		Bis(2-Chloroethox	0.356	0.353	0.383	0.364	0.371		0.365	3.32
26)	S	2,4-Dichloropheno	0.246	0.295	0.297	0.283	0.288		0.282	7.32
27)	C	2,4-Dichloropheno	0.271	0.278	0.282	0.274	0.278		0.277	1.52
28)		Naphthalene	1.063	1.033	1.039	0.972	0.964		1.014	4.30
29)	S	4-Chloroaniline-d		0.267	0.321	0.331	0.312	0.304	0.307	8.06
30)		4-Chloroaniline		0.263	0.330	0.330	0.315	0.305	0.309	8.98
31)	C	Hexachlorobutadie	0.177	0.168	0.168	0.152	0.150		0.163	7.23
32)		Caprolactam		0.109	0.113	0.108	0.110	0.114	0.111	2.53
33)	C	4-Chloro-3-methyl	0.279	0.295	0.304	0.294	0.300		0.295	3.20
34)		2-Methylnaphthale	0.737	0.739	0.744	0.703	0.701		0.725	2.89
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.604	0.618	0.602	0.564	0.578		0.593	3.65
37)		Hexachlorocyclope		0.198	0.226	0.259	0.289	0.306	0.256	17.25
38)	C	2,4,6-Trichloroph	0.396	0.399	0.409	0.395	0.404		0.401	1.42
39)		2,4,5-Trichloroph	0.425	0.429	0.418	0.416	0.437		0.425	2.02
40)		1,1'-Biphenyl	1.628	1.686	1.693	1.606	1.620		1.647	2.44
41)		2-Chloronaphthale	1.285	1.315	1.294	1.207	1.222		1.265	3.75
42)		2-Nitroaniline	0.259	0.263	0.298	0.291	0.315		0.285	8.21
43)	S	Dimethylphthalate	1.557	1.518	1.536	1.441	1.459		1.502	3.32
44)		Dimethylphthalate	1.541	1.555	1.540	1.461	1.451		1.510	3.28
45)		2,6-Dinitrotoluen	0.300	0.329	0.334	0.325	0.330		0.324	4.18
46)	S	Acenaphthylene-d8	2.138	2.157	2.154	2.029	2.011		2.098	3.41
47)		Acenaphthylene	2.234	2.216	2.159	2.052	2.023		2.137	4.44
48)		3-Nitroaniline		0.282	0.292	0.323	0.334	0.319	0.310	7.00
49)	C	Acenaphthene	1.491	1.530	1.510	1.422	1.428		1.476	3.30
50)		2,4-Dinitrophenol		0.069	0.099	0.122	0.157	0.180	0.125	35.46
51)	S	4-Nitrophenol-d4		0.200	0.240	0.262	0.289	0.302	0.259	15.79

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.095	0.137	0.151	0.168	0.177	0.146	22.11
53)		Dibenzofuran	1.822	1.901	1.879	1.771	1.753		1.825	3.55
54)		2,4-Dinitrotoluen	0.400	0.435	0.458	0.435	0.455		0.437	5.26
55)		2,3,4,6-Tetrachlo	0.313	0.345	0.347	0.330	0.346		0.336	4.34
56)		Diethylphthalate	1.594	1.612	1.601	1.506	1.518		1.566	3.20
57)	S	Fluorene-d10	1.431	1.450	1.440	1.356	1.356		1.407	3.33
58)		Fluorene	1.543	1.603	1.577	1.492	1.490		1.541	3.28
59)		4-Chlorophenyl-ph	0.683	0.707	0.717	0.678	0.686		0.694	2.43
60)		4-Nitroaniline		0.305	0.358	0.353	0.342	0.344	0.341	6.12
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.086	0.101	0.104	0.110	0.122	0.105	12.79
63)		4,6-Dinitro-2-met		0.092	0.097	0.110	0.114	0.127	0.108	12.88
64)		N-Nitrosodiphenyl	0.644	0.648	0.661	0.615	0.594		0.632	4.31
65)		4-Bromophenyl-phe	0.201	0.217	0.208	0.192	0.193		0.202	5.14
66)		Hexachlorobenzene	0.269	0.244	0.226	0.220	0.214		0.235	9.42
67)		Atrazine		0.230	0.227	0.214	0.206	0.212	0.218	4.68
68)	C	Pentachlorophenol		0.112	0.118	0.119	0.124	0.138	0.122	8.12
69)		Phenanthrene	1.149	1.154	1.146	1.076	1.037		1.112	4.73
70)	S	Anthracene-d10	1.018	1.015	0.975	0.914	0.878		0.960	6.50
71)		Anthracene	1.175	1.168	1.175	1.087	1.028		1.127	5.90
72)		Carbazole		1.007	0.983	0.968	0.956	0.969	0.977	1.98
73)		Di-n-butylphthala	1.348	1.390	1.353	1.263	1.189		1.309	6.22
74)	C	Fluoranthene		1.201	1.167	1.124	1.091	1.101	1.137	4.07
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.107	1.155	1.212	1.100	1.065		1.128	5.04
77)		Pyrene	1.405	1.465	1.516	1.353	1.298		1.407	6.17
78)		Butylbenzylphthal	0.690	0.666	0.710	0.639	0.630		0.667	5.01
79)		3,3'-Dichlorobenz		0.392	0.402	0.391	0.362	0.332	0.376	7.66
80)		Benzo(a)anthracen	1.208	1.175	1.240	1.132	1.110		1.173	4.55
81)		Bis(2-ethylhexyl)	0.989	0.968	0.998	0.908	0.882		0.949	5.38
82)		Chrysene	1.215	1.130	1.153	1.090	1.038		1.125	5.93
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.713	1.698	1.603	1.601	1.532	1.630	4.61
85)		Benzo(b)fluoranth	1.145	1.212	1.196	1.123	1.176		1.170	3.11
86)		Benzo(k)fluoranth	1.199	1.135	1.127	1.116	1.119		1.139	2.99
87)	S	Benzo(a)pyrene-d1	0.898	0.965	0.947	0.901	0.929		0.928	3.12
88)	C	Benzo(a)pyrene	1.112	1.183	1.140	1.090	1.119		1.129	3.11
89)		Indeno(1,2,3-cd)p	1.334	1.303	1.281	1.257	1.298		1.295	2.19
90)		Dibenzo(a,h)anthr	1.145	1.080	1.088	1.024	1.081		1.083	3.97
91)		Benzo(g,h,i)peryl	1.126	1.070	0.996	0.990	1.003		1.037	5.73

(#) = Out of Range