Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG072915.M
Title : SVOA CALIBRATION
Last Update : Thu Jul 30 02:20:21 2015
Response Via : Initial Calibration

Calibration Files
5 =BG018166.D 10 =BG018167.D 20 =BG018168.D
40 =BG018169.D 80 =BG018170.D 160 =BG018171.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.329	0.411	0.237	0.262	0.230		0.294	26.03
3)	S	1,4-Dioxane-d8	0.246	0.228	0.239	0.235	0.238	0.095	0.213	27.33
4)		Benzaldehyde		0.743	0.689	0.683	0.684	0.489	0.658	14.85
5)	S	Phenol-d5	1.378	1.344	1.313	1.357	1.399	1.442	1.372	3.28
6)		Phenol	1.368	1.368	1.322	1.387	1.414	1.470	1.388	3.63
7)	S	Bis-(2-Chloroethy	0.658	0.656	0.621	0.613	0.621	0.628	0.633	3.04
8)		Bis(2-Chloroethyl	1.054	1.022	1.027	0.990	1.011	1.023	1.021	2.08
9)	S	2-Chlorophenol-d4	1.324	1.351	1.322	1.330	1.384		1.342	1.95
10)		2-Chlorophenol	1.321	1.302	1.266	1.289	1.334		1.303	2.05
11)		2-Methylphenol	1.113	1.166	1.131	1.175	1.205	1.241	1.172	4.01
12)		2,2'-oxybis(1-Chl	0.948	0.942	0.870	0.862	0.874	0.864	0.893	4.49
13)	S	4-Methylphenol-d8	1.207	1.206	1.188	1.254	1.272	1.322	1.241	4.11
14)		Acetophenone	1.836	1.821	1.743	1.747	1.757	1.733	1.773	2.49
15)	P	N-Nitroso-di-n-pr	0.877	0.857	0.827	0.835	0.834		0.846	2.48
16)		4-Methylphenol	1.241	1.294	1.261	1.314	1.333	1.350	1.299	3.23
17)		Hexachloroethane	0.522	0.523	0.489	0.480	0.490		0.501	4.01
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.169	0.159	0.156	0.152	0.155		0.158	4.10
20)		Nitrobenzene	0.268	0.274	0.263	0.254	0.258		0.263	3.07
21)		Isophorone	0.559	0.562	0.546	0.533	0.531		0.546	2.61
22)	S	2-Nitrophenol-d4	0.182	0.184	0.177	0.174	0.178		0.179	2.23
23)	C	2-Nitrophenol	0.188	0.191	0.185	0.185	0.187		0.187	1.32
24)		2,4-Dimethylpheno	0.313	0.312	0.302	0.302	0.305		0.306	1.78
25)		Bis(2-Chloroethox	0.303	0.324	0.307	0.298	0.300		0.306	3.35
26)	S	2,4-Dichloropheno	0.310	0.317	0.302	0.308	0.315		0.310	1.95
27)	C	2,4-Dichloropheno	0.294	0.296	0.296	0.296	0.304		0.297	1.31
28)		Naphthalene	0.980	0.965	0.919	0.906	0.898		0.934	3.91
29)	S	4-Chloroaniline-d	0.321	0.371	0.394	0.412	0.376	0.315	0.365	10.70
30)		4-Chloroaniline	0.340	0.372	0.398	0.419	0.383	0.318	0.372	10.06
31)	C	Hexachlorobutadie	0.194	0.187	0.178	0.175	0.183		0.183	4.13
32)		Caprolactam	0.129	0.140	0.131	0.131	0.126	0.127	0.131	3.87
33)	C	4-Chloro-3-methyl	0.305	0.305	0.300	0.302	0.294		0.301	1.49
34)		2-Methylnaphthale	0.740	0.756	0.722	0.709	0.690		0.723	3.56
35)		1-Methylnaphthale	0.722	0.738	0.687	0.684	0.668		0.700	4.14
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.562	0.574	0.553	0.549	0.571		0.562	1.89
38)		Hexachlorocyclope	0.166	0.217	0.238	0.287	0.345	0.362	0.269	28.32
39)	C	2,4,6-Trichloroph	0.369	0.393	0.367	0.382	0.393		0.381	3.32
40)		2,4,5-Trichloroph	0.394	0.409	0.402	0.406	0.418		0.406	2.18
41)		1,1'-Biphenyl	1.470	1.462	1.391	1.365	1.352		1.408	3.89
42)		2-Chloronaphthale	1.141	1.134	1.083	1.069	1.079		1.101	3.08
43)		2-Nitroaniline	0.237	0.250	0.247	0.241	0.239		0.243	2.16
44)	S	Dimethylphthalate	1.527	1.512	1.435	1.398	1.364		1.447	4.89
45)		Dimethylphthalate	1.562	1.526	1.429	1.394	1.345		1.451	6.24
46)		2,6-Dinitrotoluen	0.340	0.339	0.339	0.338	0.339		0.339	0.20
47)	S	Acenaphthylene-d8	1.814	1.830	1.754	1.696	1.675		1.754	3.92
48)		Acenaphthylene	1.870	1.914	1.805	1.767	1.719		1.815	4.32
49)		3-Nitroaniline	0.281	0.297	0.309	0.328	0.311	0.287	0.302	5.69
50)	C	Acenaphthene	1.238	1.223	1.160	1.133	1.124		1.175	4.43
51)		2,4-Dinitrophenol	0.126	0.152	0.169	0.208	0.225	0.238	0.186	23.67

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4	0.266	0.287	0.279	0.288	0.291	0.286	0.283	3.19
53)		4-Nitrophenol	0.168	0.177	0.177	0.176	0.177	0.178	0.176	2.10
54)		Dibenzofuran	1.854	1.790	1.716	1.674	1.607		1.728	5.60
55)		2,4-Dinitrotoluen	0.463	0.495	0.482	0.477	0.468		0.477	2.65
56)		2,3,4,6-Tetrachlo	0.354	0.374	0.375	0.374	0.385		0.373	2.98
57)		Diethylphthalate	1.523	1.525	1.418	1.386	1.339		1.438	5.79
58)	S	Fluorene-d10	1.390	1.373	1.308	1.281	1.254		1.321	4.44
59)		Fluorene	1.565	1.557	1.458	1.397	1.367		1.469	6.16
60)		4-Chlorophenyl-ph	0.795	0.782	0.743	0.728	0.726		0.755	4.21
61)		4-Nitroaniline	0.323	0.359	0.350	0.336	0.344	0.337	0.341	3.64
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met	0.116	0.125	0.126	0.139	0.146	0.147	0.133	9.36
64)		4,6-Dinitro-2-met	0.120	0.135	0.137	0.143	0.148	0.150	0.139	7.93
65)		N-Nitrosodiphenyl	0.569	0.558	0.542	0.530	0.529		0.545	3.19
66)		4-Bromophenyl-phe	0.209	0.218	0.210	0.212	0.219		0.214	2.22
67)		Hexachlorobenzene	0.243	0.243	0.236	0.240	0.245		0.241	1.45
68)		Atrazine	0.228	0.229	0.217	0.218	0.214	0.202	0.218	4.66
69)	C	Pentachlorophenol	0.107	0.114	0.124	0.134	0.147	0.154	0.130	14.31
70)		Phenanthrene	1.065	1.070	1.014	0.984	0.946		1.016	5.23
71)	S	Anthracene-d10	0.935	0.910	0.878	0.850	0.824		0.880	5.07
72)		Anthracene	1.078	1.068	1.022	0.991	0.938		1.019	5.67
73)		1,2,3,4-Tetrachlo	0.240	0.234	0.237	0.244	0.256		0.242	3.49
74)		Pentachlorobenzen	0.261	0.262	0.254	0.259	0.270		0.261	2.19
75)		Carbazole	0.967	0.947	0.911	0.872	0.837	0.746	0.880	9.23
76)		Di-n-butylphthala	1.165	1.184	1.104	1.065	0.987		1.101	7.22
77)	C	Fluoranthene	1.265	1.258	1.195	1.126	1.039	0.896	1.130	12.65
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.966	0.938	0.884	0.883	0.838		0.902	5.61
80)		Pyrene	1.229	1.159	1.115	1.069	0.988		1.112	8.17
81)		Butylbenzylphthal	0.453	0.448	0.426	0.426	0.423		0.435	3.25
82)		3,3'-Dichlorobenz	0.317	0.337	0.358	0.394	0.374	0.333	0.352	8.11
83)		Benzo(a)anthracen	1.122	1.095	1.040	1.016	0.969		1.048	5.81
84)		Bis(2-ethylhexyl)	0.629	0.616	0.598	0.596	0.571	0.520	0.588	6.59
85)		Chrysene	1.033	1.034	0.985	0.963	0.894		0.982	5.91
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal	1.084	1.095	1.038	1.020	0.970	0.829	1.006	9.73
88)		Benzo(b)fluoranth	1.142	1.125	1.099	1.096	1.074		1.107	2.40
89)		Benzo(k)fluoranth	1.070	1.080	1.020	0.998	0.961	1.008	1.023	4.41
90)	S	Benzo(a)pyrene-d1	0.999	0.993	0.959	0.955	0.949		0.971	2.38
91)	C	Benzo(a)pyrene	1.077	1.074	1.030	1.020	1.002	0.924	1.021	5.52
92)		Indeno(1,2,3-cd)p	1.236	1.235	1.177	1.189	1.206		1.209	2.22
93)		Dibenzo(a,h)anthr	1.022	1.053	0.999	1.015	1.027	0.986	1.017	2.30
94)		Benzo(g,h,i)peryl	1.012	1.032	0.973	0.981	0.993		0.998	2.40

(#) = Out of Range