Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG010417MA.M
Title : SVOA CALIBRATION
Last Update : Thu Jan 12 18:33:35 2017
Response Via : Initial Calibration

Calibration Files
5 =BG025426.D 10 =BG025427.D 20 =BG025428.D
40 =BG025429.D 80 =BG025430.D 160 =BG025431.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.519	0.416	0.489	0.476	0.404		0.461	10.61
3)	S	1,4-Dioxane-d8	0.424	0.319	0.354	0.376	0.370		0.369	10.31
4)		Benzaldehyde		1.245	1.231	1.183	1.159	0.629	1.089	23.82
5)	S	Phenol-d5		1.413	1.630	1.518	1.672	1.607	1.568	6.58
6)		Phenol		1.589	1.617	1.601	1.731	1.658	1.639	3.51
7)	S	Bis-(2-Chloroethy		0.925	1.058	1.016	1.073	1.014	1.017	5.65
8)		Bis(2-Chloroethyl		1.245	1.249	1.193	1.233	1.203	1.225	2.07
9)	S	2-Chlorophenol-d4	1.068	1.206	1.147	1.148	1.225		1.159	5.32
10)		2-Chlorophenol	1.176	1.139	1.173	1.146	1.218		1.170	2.69
11)		2-Methylphenol		1.167	1.159	1.164	1.303	1.231	1.205	5.18
12)		2,2'-oxybis(1-Chl		2.332	2.275	2.136	2.301	2.097	2.228	4.71
13)	S	4-Methylphenol-d8		1.264	1.219	1.276	1.412	1.328	1.300	5.68
14)		Acetophenone		1.976	2.037	1.959	2.100	1.993	2.013	2.81
15)	P	N-Nitroso-di-n-pr	1.198	1.260	1.190	1.153	1.305		1.221	4.96
16)		4-Methylphenol		1.309	1.367	1.252	1.398	1.329	1.331	4.21
17)		Hexachloroethane	0.540	0.530	0.572	0.537	0.588		0.553	4.57
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.126	0.134	0.135	0.148	0.155		0.139	8.27
20)		Nitrobenzene	0.426	0.437	0.431	0.461	0.467		0.444	4.12
21)		Isophorone	0.751	0.745	0.794	0.825	0.852		0.793	5.84
22)	S	2-Nitrophenol-d4	0.134	0.160	0.171	0.183	0.184		0.166	12.35
23)	C	2-Nitrophenol	0.163	0.161	0.184	0.182	0.192		0.176	7.69
24)		2,4-Dimethylpheno	0.358	0.373	0.391	0.418	0.430		0.394	7.62
25)		Bis(2-Chloroethox	0.402	0.390	0.422	0.421	0.434		0.414	4.28
26)	S	2,4-Dichloropheno	0.225	0.285	0.328	0.334	0.368		0.308	17.93
27)	C	2,4-Dichloropheno	0.283	0.292	0.311	0.327	0.341		0.311	7.74
28)		Naphthalene	0.874	0.893	0.897	0.937	0.961		0.913	3.90
29)	S	4-Chloroaniline-d		0.363	0.380	0.379	0.362	0.284	0.353	11.26
30)		4-Chloroaniline		0.357	0.369	0.378	0.372	0.285	0.352	10.84
31)	C	Hexachlorobutadie	0.287	0.299	0.312	0.302	0.311		0.302	3.38
32)		Caprolactam		0.114	0.108	0.124	0.125	0.122	0.119	6.18
33)	C	4-Chloro-3-methyl	0.307	0.348	0.351	0.385	0.398		0.358	9.98
34)		2-Methylnaphthale	0.687	0.668	0.722	0.735	0.729		0.708	4.14
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.685	0.669	0.646	0.657	0.662		0.664	2.17
37)		Hexachlorocyclope		0.154	0.197	0.263	0.327	0.368	0.262	33.83
38)	C	2,4,6-Trichloroph	0.329	0.347	0.384	0.375	0.397		0.366	7.62
39)		2,4,5-Trichloroph	0.375	0.361	0.418	0.420	0.407		0.396	6.75
40)		1,1'-Biphenyl	1.256	1.211	1.302	1.242	1.246		1.251	2.61
41)		2-Chloronaphthale	1.029	0.958	1.009	0.997	0.996		0.998	2.60
42)		2-Nitroaniline	0.358	0.351	0.392	0.408	0.415		0.385	7.52
43)	S	Dimethylphthalate	1.390	1.360	1.391	1.390	1.357		1.378	1.26
44)		Dimethylphthalate	1.328	1.301	1.397	1.339	1.310		1.335	2.82
45)		2,6-Dinitrotoluen	0.260	0.268	0.273	0.289	0.300		0.278	5.78
46)	S	Acenaphthylene-d8	1.512	1.446	1.555	1.539	1.530		1.516	2.80
47)		Acenaphthylene	1.393	1.438	1.535	1.480	1.450		1.459	3.62
48)		3-Nitroaniline		0.213	0.260	0.248	0.239	0.225	0.237	7.94
49)	C	Acenaphthene	1.048	0.995	1.042	1.013	1.048		1.029	2.33
50)		2,4-Dinitrophenol		0.096	0.118	0.150	0.186	0.207	0.152	30.26
51)	S	4-Nitrophenol-d4		0.174	0.160	0.200	0.208	0.215	0.191	12.35

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.207	0.229	0.261	0.292	0.280	0.254	13.97
53)		Dibenzofuran	1.635	1.586	1.612	1.572	1.552		1.592	2.06
54)		2,4-Dinitrotoluen	0.381	0.393	0.437	0.425	0.438		0.415	6.30
55)		2,3,4,6-Tetrachlo	0.389	0.372	0.438	0.419	0.431		0.410	6.85
56)		Diethylphthalate	1.422	1.347	1.451	1.420	1.360		1.400	3.17
57)	S	Fluorene-d10	1.372	1.205	1.286	1.316	1.244		1.285	5.02
58)		Fluorene	1.320	1.250	1.293	1.319	1.258		1.288	2.56
59)		4-Chlorophenyl-ph	0.774	0.696	0.751	0.744	0.728		0.738	3.94
60)		4-Nitroaniline		0.211	0.248	0.240	0.243	0.238	0.236	6.12
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.114	0.119	0.133	0.137	0.134	0.127	8.12
63)		4,6-Dinitro-2-met		0.120	0.113	0.142	0.136	0.138	0.130	9.73
64)		N-Nitrosodiphenyl	0.502	0.514	0.511	0.532	0.505		0.513	2.30
65)		4-Bromophenyl-phe	0.229	0.233	0.224	0.241	0.239		0.233	2.96
66)		Hexachlorobenzene	0.272	0.268	0.272	0.277	0.266		0.271	1.58
67)		Atrazine		0.240	0.246	0.253	0.243	0.227	0.242	3.89
68)	C	Pentachlorophenol		0.100	0.098	0.119	0.133	0.141	0.118	16.31
69)		Phenanthrene	0.983	0.978	0.975	0.996	0.920		0.970	2.98
70)	S	Anthracene-d10	0.857	0.862	0.844	0.866	0.814		0.849	2.47
71)		Anthracene	0.946	1.013	0.996	1.011	0.932		0.980	3.89
72)		1,2,3,4-Tetrachlo	0.288	0.271	0.274	0.286	0.279		0.280	2.68
73)		Pentachlorobenzen	0.295	0.298	0.290	0.290	0.284		0.291	1.82
74)		Carbazole		0.842	0.852	0.858	0.818	0.713	0.817	7.31
75)		Di-n-butylphthala	1.092	1.067	1.060	1.087	0.982		1.058	4.19
76)	C	Fluoranthene		1.324	1.323	1.317	1.152	0.933	1.210	14.15
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.743	0.770	0.800	0.793	0.756		0.773	3.14
79)		Pyrene	0.906	0.910	0.949	0.923	0.845		0.907	4.23
80)		Butylbenzylphthal	0.347	0.369	0.378	0.384	0.369		0.369	3.81
81)		3,3'-Dichlorobenz		0.404	0.395	0.410	0.363	0.297	0.374	12.54
82)		Benzo(a)anthracen	1.052	1.047	1.050	1.050	0.975		1.035	3.25
83)		Bis(2-ethylhexyl)	0.524	0.538	0.523	0.548	0.528		0.532	1.95
84)		Chrysene	0.993	1.011	0.983	0.985	0.923		0.979	3.38
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		0.837	0.833	0.906	0.854	0.729	0.832	7.76
87)		Benzo(b)fluoranth	0.961	0.981	0.991	1.027	1.005		0.993	2.52
88)		Benzo(k)fluoranth	0.948	0.940	0.935	1.014	0.941		0.956	3.45
89)	S	Benzo(a)pyrene-d1	0.807	0.824	0.814	0.852	0.836		0.827	2.16
90)	C	Benzo(a)pyrene	0.954	0.932	0.955	1.005	0.960		0.961	2.81
91)		Indeno(1,2,3-cd)p	1.185	1.161	1.192	1.280	1.255		1.215	4.16
92)		Dibenzo(a,h)anthr	1.006	0.996	0.976	1.077	1.044		1.020	3.98
93)		Benzo(g,h,i)peryl	0.966	0.992	0.995	1.049	1.040		1.008	3.47

(#) = Out of Range