Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG091015.M
Title : SVOA CALIBRATION
Last Update : Thu Sep 10 15:37:55 2015
Response Via : Initial Calibration

Calibration Files
5 =BG018598.D 10 =BG018599.D 20 =BG018600.D
40 =BG018601.D 80 =BG018602.D 160 =BG018603.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.476	0.428	0.468	0.439	0.438		0.450	4.61
3)	S	1,4-Dioxane-d8	0.484	0.407	0.408	0.387	0.393		0.416	9.41
4)		Benzaldehyde		1.100	1.058	1.064	0.876	0.652	0.950	19.76
5)	S	Phenol-d5		1.629	1.616	1.634	1.656	1.676	1.642	1.45
6)		Phenol		1.685	1.659	1.710	1.721	1.718	1.699	1.55
7)	S	Bis-(2-Chloroethy		0.960	0.964	0.945	0.945	0.946	0.952	0.97
8)		Bis(2-Chloroethyl		1.283	1.276	1.275	1.252	1.258	1.269	1.02
9)	S	2-Chlorophenol-d4	1.265	1.236	1.223	1.233	1.262		1.244	1.50
10)		2-Chlorophenol	1.297	1.263	1.312	1.285	1.281		1.288	1.42
11)		2-Methylphenol		1.285	1.271	1.293	1.328	1.355	1.306	2.64
12)		2,2'-oxybis(1-Chl		1.554	1.522	1.519	1.452	1.484	1.506	2.60
13)	S	4-Methylphenol-d8		1.301	1.289	1.342	1.338	1.392	1.333	3.02
14)		Acetophenone		2.035	2.034	2.061	2.004	2.014	2.030	1.08
15)	P	N-Nitroso-di-n-pr	1.107	1.042	1.038	1.037	1.010		1.047	3.43
16)		4-Methylphenol		1.396	1.426	1.455	1.426	1.479	1.436	2.18
17)		Hexachloroethane	0.570	0.519	0.480	0.501	0.497		0.513	6.72
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.156	0.145	0.148	0.156	0.153		0.152	3.32
20)		Nitrobenzene	0.350	0.350	0.343	0.362	0.351		0.351	1.93
21)		Isophorone	0.746	0.721	0.695	0.726	0.693		0.716	3.13
22)	S	2-Nitrophenol-d4	0.137	0.153	0.147	0.162	0.163		0.152	7.16
23)	C	2-Nitrophenol	0.168	0.170	0.163	0.181	0.176		0.172	4.07
24)		2,4-Dimethylpheno	0.364	0.364	0.339	0.362	0.351		0.356	3.08
25)		Bis(2-Chloroethox	0.425	0.417	0.414	0.439	0.415		0.422	2.42
26)	S	2,4-Dichloropheno	0.323	0.314	0.310	0.333	0.324		0.321	2.83
27)	C	2,4-Dichloropheno	0.328	0.319	0.310	0.334	0.315		0.321	3.00
28)		Naphthalene	1.080	1.025	0.995	1.025	0.965		1.018	4.19
29)	S	4-Chloroaniline-d		0.359	0.385	0.420	0.386	0.317	0.373	10.31
30)		4-Chloroaniline		0.364	0.403	0.447	0.395	0.321	0.386	12.20
31)	C	Hexachlorobutadie	0.220	0.197	0.191	0.196	0.187		0.198	6.39
32)		Caprolactam		0.142	0.131	0.132	0.128	0.124	0.131	5.28
33)	C	4-Chloro-3-methyl	0.328	0.352	0.334	0.349	0.348		0.342	3.11
34)		2-Methylnaphthale	0.787	0.759	0.728	0.767	0.719		0.752	3.72
35)		1-Methylnaphthale	0.757	0.735	0.690	0.723	0.697		0.721	3.79
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.682	0.622	0.589	0.631	0.576		0.620	6.66
38)		Hexachlorocyclope		0.312	0.319	0.363	0.356	0.373	0.345	7.90
39)	C	2,4,6-Trichloroph	0.403	0.392	0.403	0.414	0.401		0.403	1.92
40)		2,4,5-Trichloroph	0.419	0.443	0.429	0.445	0.432		0.434	2.49
41)		1,1'-Biphenyl	1.659	1.536	1.465	1.523	1.384		1.514	6.67
42)		2-Chloronaphthale	1.248	1.154	1.128	1.162	1.076		1.154	5.43
43)		2-Nitroaniline	0.346	0.333	0.327	0.351	0.353		0.342	3.30
44)	S	Dimethylphthalate	1.782	1.629	1.547	1.601	1.488		1.610	6.87
45)		Dimethylphthalate	1.713	1.583	1.520	1.554	1.431		1.560	6.59
46)		2,6-Dinitrotoluen	0.310	0.292	0.304	0.339	0.325		0.314	5.91
47)	S	Acenaphthylene-d8	2.058	1.901	1.871	1.933	1.774		1.907	5.42
48)		Acenaphthylene	2.245	2.045	1.997	2.024	1.834		2.029	7.23
49)		3-Nitroaniline		0.321	0.346	0.373	0.331	0.294	0.333	8.76
50)	C	Acenaphthene	1.466	1.380	1.326	1.383	1.281		1.367	5.08
51)		2,4-Dinitrophenol		0.080	0.110	0.153	0.171	0.192	0.141	32.38

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.293	0.298	0.324	0.321	0.309	0.309	4.47
53)		4-Nitrophenol		0.194	0.205	0.225	0.223	0.211	0.212	6.14
54)		Dibenzofuran	2.099	1.990	1.881	1.901	1.717		1.918	7.36
55)		2,4-Dinitrotoluen	0.454	0.464	0.459	0.480	0.479		0.467	2.51
56)		2,3,4,6-Tetrachlo	0.445	0.419	0.398	0.417	0.414		0.419	4.03
57)		Diethylphthalate	1.784	1.633	1.575	1.606	1.510		1.622	6.27
58)	S	Fluorene-d10	1.553	1.405	1.386	1.389	1.304		1.407	6.43
59)		Fluorene	1.805	1.678	1.586	1.580	1.451		1.620	8.10
60)		4-Chlorophenyl-ph	0.853	0.792	0.740	0.766	0.710		0.772	7.07
61)		4-Nitroaniline		0.392	0.406	0.414	0.365	0.338	0.383	8.18
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.078	0.082	0.099	0.104	0.111	0.095	15.17
64)		4,6-Dinitro-2-met		0.076	0.085	0.104	0.109	0.111	0.097	16.09
65)		N-Nitrosodiphenyl	0.551	0.526	0.504	0.532	0.505		0.524	3.80
66)		4-Bromophenyl-phe	0.217	0.188	0.184	0.199	0.192		0.196	6.63
67)		Hexachlorobenzene	0.249	0.211	0.201	0.217	0.208		0.217	8.56
68)		Atrazine		0.236	0.230	0.244	0.229	0.214	0.231	4.73
69)	C	Pentachlorophenol		0.105	0.116	0.134	0.137	0.141	0.127	11.98
70)		Phenanthrene	1.135	1.026	0.999	1.014	0.911		1.017	7.87
71)	S	Anthracene-d10	0.984	0.892	0.845	0.882	0.800		0.881	7.76
72)		Anthracene	1.138	1.053	1.004	1.010	0.894		1.020	8.68
73)		1,2,3,4-Tetrachlo	0.247	0.237	0.228	0.244	0.233		0.238	3.27
74)		Pentachlorobenzen	0.239	0.228	0.225	0.238	0.232		0.232	2.77
75)		Carbazole		0.992	0.967	0.978	0.879	0.712	0.906	12.91
76)		Di-n-butylphthala	1.235	1.176	1.151	1.154	1.004		1.144	7.42
77)	C	Fluoranthene		1.290	1.248	1.251	1.061	0.785	1.127	18.71
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.982	0.927	0.901	0.939	0.852		0.920	5.20
80)		Pyrene	1.315	1.212	1.188	1.168	0.997		1.176	9.78
81)		Butylbenzylphthal	0.447	0.436	0.439	0.475	0.459		0.451	3.56
82)		3,3'-Dichlorobenz		0.354	0.363	0.406	0.354	0.296	0.355	11.13
83)		Benzo(a)anthracen	1.229	1.115	1.093	1.107	1.001		1.109	7.32
84)		Bis(2-ethylhexyl)	0.673	0.644	0.661	0.710	0.657		0.669	3.80
85)		Chrysene	1.106	1.037	0.995	1.036	0.941		1.023	5.96
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.102	1.096	1.169	1.065	0.860	1.058	11.07
88)		Benzo(b)fluoranth	1.210	1.135	1.095	1.146	1.069		1.131	4.77
89)		Benzo(k)fluoranth	1.152	1.071	1.085	1.111	0.998		1.083	5.23
90)	S	Benzo(a)pyrene-d1	1.011	0.964	0.942	1.005	0.944		0.973	3.39
91)	C	Benzo(a)pyrene	1.143	1.071	1.054	1.089	1.018		1.075	4.30
92)		Indeno(1,2,3-cd)p	1.285	1.207	1.205	1.293	1.242		1.246	3.34
93)		Dibenzo(a,h)anthr	1.033	0.992	0.955	1.042	0.980		1.000	3.65
94)		Benzo(g,h,i)peryl	1.072	1.034	1.003	1.068	1.025		1.040	2.80

(#) = Out of Range