Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
Method File : SOM-EPA-BG081619MA.M
Title : SVOA CALIBRATION
Last Update : Fri Aug 16 15:15:09 2019
Response Via : Initial Calibration

Calibration Files
5 =BG042254.D 10 =BG042255.D 20 =BG042256.D
40 =BG042257.D 80 =BG042258.D 160 =BG042259.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.400	0.404	0.353	0.460	0.411		0.405	9.43
3)	S	1,4-Dioxane-d8	0.432	0.401	0.395	0.466	0.409		0.421	6.93
4)		Benzaldehyde		0.599	0.895	0.688	0.724	0.602	0.701	17.23
5)	S	Phenol-d5		1.250	1.463	1.603	1.543	1.413	1.454	9.33
6)		Phenol		1.323	1.451	1.659	1.572	1.426	1.486	8.81
7)	S	Bis-(2-Chloroethy		0.696	0.751	0.783	0.750	0.680	0.732	5.82
8)		Bis(2-Chloroethyl		1.079	1.129	1.217	1.141	1.047	1.123	5.78
9)	S	2-Chlorophenol-d4	1.202	1.172	1.347	1.409	1.348		1.295	7.93
10)		2-Chlorophenol	1.266	1.247	1.295	1.437	1.365		1.322	5.93
11)		2-Methylphenol		1.044	1.209	1.325	1.288	1.173	1.208	9.09
12)		2,2'-oxybis(1-Chl		1.416	1.483	1.595	1.470	1.331	1.459	6.62
13)	S	4-Methylphenol-d8		1.083	1.276	1.342	1.296	1.197	1.239	8.20
14)		Acetophenone		1.708	1.868	2.005	1.911	1.706	1.840	7.11
15)	P	N-Nitroso-di-n-pr	0.868	0.840	0.905	0.954	0.906		0.895	4.85
16)		4-Methylphenol		1.143	1.277	1.418	1.365	1.248	1.290	8.27
17)		Hexachloroethane	0.527	0.508	0.524	0.564	0.524		0.529	3.87
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.148	0.146	0.156	0.165	0.155		0.154	4.71
20)		Nitrobenzene	0.312	0.300	0.307	0.332	0.309		0.312	3.76
21)		Isophorone	0.584	0.617	0.621	0.669	0.618		0.622	4.89
22)	S	2-Nitrophenol-d4	0.149	0.171	0.189	0.207	0.192		0.182	12.30
23)	C	2-Nitrophenol	0.172	0.176	0.191	0.217	0.203		0.192	9.75
24)		2,4-Dimethylpheno	0.331	0.343	0.349	0.381	0.353		0.351	5.24
25)		Bis(2-Chloroethox	0.386	0.369	0.380	0.414	0.379		0.385	4.48
26)	S	2,4-Dichloropheno	0.355	0.345	0.380	0.404	0.378		0.373	6.23
27)	C	2,4-Dichloropheno	0.328	0.325	0.362	0.391	0.360		0.353	7.73
28)		Naphthalene	1.039	1.013	1.013	1.076	0.970		1.022	3.84
29)	S	4-Chloroaniline-d		0.359	0.436	0.456	0.405	0.330	0.397	13.17
30)		4-Chloroaniline		0.359	0.420	0.455	0.399	0.327	0.392	12.86
31)	C	Hexachlorobutadie	0.274	0.259	0.263	0.286	0.256		0.268	4.65
32)		Caprolactam		0.103	0.134	0.120	0.114	0.108	0.116	10.27
33)	C	4-Chloro-3-methyl	0.292	0.324	0.329	0.357	0.340		0.328	7.27
34)		2-Methylnaphthale	0.825	0.788	0.821	0.863	0.772		0.814	4.34
35)		1-Methylnaphthale	0.789	0.764	0.793	0.813	0.737		0.779	3.78
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.701	0.706	0.716	0.768	0.682		0.715	4.49
38)		Hexachlorocyclope		0.279	0.332	0.429	0.421	0.420	0.376	17.91
39)	C	2,4,6-Trichloroph	0.397	0.425	0.451	0.500	0.461		0.447	8.67
40)		2,4,5-Trichloroph	0.479	0.428	0.486	0.526	0.498		0.483	7.36
41)		1,1'-Biphenyl	1.481	1.445	1.437	1.539	1.345		1.449	4.88
42)		2-Chloronaphthale	1.195	1.186	1.183	1.255	1.119		1.188	4.07
43)		2-Nitroaniline	0.234	0.243	0.262	0.286	0.270		0.259	8.05
44)	S	Dimethylphthalate	1.561	1.562	1.605	1.615	1.436		1.556	4.59
45)		Dimethylphthalate	1.594	1.547	1.531	1.591	1.396		1.532	5.28
46)		2,6-Dinitrotoluen	0.331	0.330	0.347	0.379	0.353		0.348	5.80
47)	S	Acenaphthylene-d8	1.801	1.778	2.011	1.886	1.657		1.826	7.21
48)		Acenaphthylene	1.852	1.812	1.735	1.886	1.617		1.781	6.03
49)		3-Nitroaniline		0.214	0.304	0.289	0.280	0.247	0.267	13.66
50)	C	Acenaphthene	1.280	1.243	1.249	1.316	1.175		1.253	4.16
51)		2,4-Dinitrophenol		0.086	0.144	0.210	0.233	0.234	0.181	35.72

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.199	0.243	0.272	0.266	0.249	0.246	11.74
53)		4-Nitrophenol		0.130	0.148	0.182	0.176	0.165	0.160	13.28
54)		Dibenzofuran	1.912	1.895	1.858	1.936	1.672		1.855	5.71
55)		2,4-Dinitrotoluen	0.458	0.474	0.497	0.537	0.495		0.492	6.03
56)		2,3,4,6-Tetrachlo	0.422	0.428	0.453	0.506	0.476		0.457	7.56
57)		Diethylphthalate	1.548	1.500	1.497	1.559	1.382		1.497	4.69
58)	S	Fluorene-d10	1.401	1.383	1.425	1.440	1.281		1.386	4.49
59)		Fluorene	1.576	1.512	1.490	1.547	1.364		1.498	5.46
60)		4-Chlorophenyl-ph	0.898	0.868	0.871	0.894	0.805		0.867	4.30
61)		4-Nitroaniline		0.236	0.312	0.315	0.314	0.295	0.294	11.53
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.107	0.135	0.150	0.149	0.142	0.137	13.04
64)		4,6-Dinitro-2-met		0.115	0.138	0.165	0.159	0.152	0.146	13.79
65)		N-Nitrosodiphenyl	0.617	0.594	0.602	0.649	0.563		0.605	5.17
66)		4-Bromophenyl-phe	0.261	0.257	0.266	0.287	0.262		0.266	4.53
67)		Hexachlorobenzene	0.285	0.273	0.279	0.299	0.271		0.281	4.04
68)		Atrazine		0.244	0.299	0.269	0.241	0.218	0.254	12.18
69)	C	Pentachlorophenol		0.109	0.131	0.167	0.172	0.169	0.150	18.88
70)		Phenanthrene	1.173	1.103	1.127	1.165	0.977		1.109	7.11
71)	S	Anthracene-d10	1.009	0.967	1.017	1.011	0.862		0.973	6.71
72)		Anthracene	1.199	1.134	1.124	1.162	0.966		1.117	7.97
73)		1,2,3,4-Tetrachlo	0.307	0.311	0.314	0.356	0.315		0.321	6.20
74)		Pentachlorobenzen	0.337	0.325	0.344	0.361	0.323		0.338	4.58
75)		Carbazole		0.952	0.978	1.034	0.886	0.759	0.922	11.45
76)		Di-n-butylphthala	1.169	1.130	1.152	1.186	0.980		1.123	7.39
77)	C	Fluoranthene		1.453	1.430	1.444	1.165	0.938	1.286	17.79
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.105	1.090	1.136	1.138	0.989		1.091	5.59
80)		Pyrene	1.398	1.374	1.328	1.378	1.124		1.320	8.52
81)		Butylbenzylphthal	0.514	0.496	0.508	0.549	0.489		0.511	4.61
82)		3,3'-Dichlorobenz		0.442	0.535	0.550	0.477	0.393	0.479	13.56
83)		Benzo(a)anthracen	1.455	1.377	1.368	1.432	1.206		1.367	7.13
84)		Bis(2-ethylhexyl)	0.732	0.694	0.706	0.747	0.657		0.707	4.95
85)		Chrysene	1.385	1.311	1.281	1.343	1.131		1.290	7.53
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.035	1.051	1.068	0.935	0.790	0.976	11.88
88)		Benzo(b)fluoranth	1.275	1.209	1.215	1.281	1.130		1.222	5.03
89)		Benzo(k)fluoranth	1.261	1.218	1.176	1.218	1.045		1.184	6.99
90)	S	Benzo(a)pyrene-d1	1.071	1.015	1.033	1.091	0.981		1.038	4.24
91)	C	Benzo(a)pyrene	1.233	1.168	1.181	1.234	1.072		1.178	5.60
92)		Indeno(1,2,3-cd)p	1.404	1.367	1.414	1.482	1.360		1.405	3.48
93)		Dibenzo(a,h)anthr	1.161	1.144	1.168	1.221	1.105		1.160	3.60
94)		Benzo(g,h,i)peryl	1.198	1.164	1.179	1.236	1.137		1.183	3.16

(#) = Out of Range