Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
Method File : SOM-EPA-BG092920MA.M
Title : SVOA CALIBRATION
Last Update : Wed Sep 30 01:49:09 2020
Response Via : Initial Calibration

Calibration Files
5 =BG046722.D 10 =BG046723.D 20 =BG046724.D
40 =BG046725.D 80 =BG046726.D 160 =BG046727.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.615	0.510	0.474	0.507	0.506		0.522	10.28
3)	S	1,4-Dioxane-d8	0.426	0.388	0.372	0.430	0.420		0.407	6.31
4)		Benzaldehyde		1.347	1.150	1.322	1.168	1.050	1.207	10.33
5)	S	Phenol-d5		1.775	1.536	1.790	1.835	1.622	1.712	7.39
6)		Phenol		1.875	1.634	1.875	1.900	1.682	1.793	6.96
7)	S	Bis-(2-Chloroethy		1.106	0.970	1.084	1.084	0.977	1.044	6.23
8)		Bis(2-Chloroethyl		1.486	1.252	1.438	1.435	1.292	1.381	7.40
9)	S	2-Chlorophenol-d4	1.189	1.240	1.152	1.316	1.352		1.250	6.72
10)		2-Chlorophenol	1.265	1.275	1.140	1.336	1.355		1.274	6.61
11)		2-Methylphenol		1.310	1.196	1.379	1.441	1.283	1.322	7.08
12)		2,2'-oxybis(1-Chl		2.321	2.001	2.278	2.268	1.996	2.173	7.38
13)	S	4-Methylphenol-d8		1.388	1.203	1.365	1.436	1.301	1.339	6.73
14)		Acetophenone		2.316	1.994	2.271	2.261	2.009	2.170	7.16
15)	P	N-Nitroso-di-n-pr	1.201	1.178	1.030	1.241	1.212		1.172	7.07
16)		4-Methylphenol		1.470	1.262	1.497	1.482	1.340	1.410	7.36
17)		Hexachloroethane	0.598	0.626	0.527	0.601	0.607		0.592	6.35
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.141	0.151	0.128	0.155	0.173		0.150	11.26
20)		Nitrobenzene	0.392	0.432	0.377	0.458	0.477		0.427	9.92
21)		Isophorone	0.862	0.893	0.731	0.886	0.887		0.852	8.02
22)	S	2-Nitrophenol-d4	0.136	0.140	0.131	0.164	0.191		0.152	16.38
23)	C	2-Nitrophenol	0.139	0.152	0.146	0.188	0.204		0.166	17.28
24)		2,4-Dimethylpheno	0.422	0.427	0.360	0.426	0.442		0.415	7.71
25)		Bis(2-Chloroethox	0.519	0.520	0.428	0.498	0.515		0.496	7.85
26)	S	2,4-Dichloropheno	0.327	0.368	0.309	0.385	0.401		0.358	10.85
27)	C	2,4-Dichloropheno	0.332	0.351	0.309	0.365	0.385		0.348	8.44
28)		Naphthalene	1.109	1.183	0.956	1.123	1.166		1.107	8.13
29)	S	4-Chloroaniline-d		0.468	0.382	0.452	0.449	0.376	0.425	10.06
30)		4-Chloroaniline		0.467	0.375	0.438	0.429	0.361	0.414	10.73
31)	C	Hexachlorobutadie	0.293	0.321	0.263	0.300	0.320		0.299	7.89
32)		Caprolactam		0.120	0.105	0.125	0.134	0.117	0.120	9.04
33)	C	4-Chloro-3-methyl	0.378	0.379	0.329	0.402	0.415		0.381	8.64
34)		2-Methylnaphthale	0.846	0.848	0.689	0.833	0.832		0.809	8.39
35)		1-Methylnaphthale	0.798	0.836	0.675	0.796	0.817		0.784	8.05
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.744	0.751	0.629	0.740	0.796		0.732	8.43
38)		Hexachlorocyclope		0.453	0.380	0.476	0.546	0.512	0.473	13.34
39)	C	2,4,6-Trichloroph	0.381	0.421	0.375	0.470	0.520		0.433	14.17
40)		2,4,5-Trichloroph	0.413	0.461	0.394	0.495	0.536		0.460	12.68
41)		1,1'-Biphenyl	1.570	1.639	1.309	1.554	1.621		1.538	8.65
42)		2-Chloronaphthale	1.281	1.287	1.044	1.238	1.311		1.232	8.79
43)		2-Nitroaniline	0.236	0.311	0.274	0.384	0.428		0.326	24.08
44)	S	Dimethylphthalate	1.538	1.595	1.303	1.567	1.639		1.528	8.60
45)		Dimethylphthalate	1.537	1.631	1.337	1.596	1.632		1.547	7.97
46)		2,6-Dinitrotoluen	0.216	0.261	0.233	0.307	0.351		0.274	20.19
47)	S	Acenaphthylene-d8	1.833	1.918	1.531	1.852	1.939		1.815	9.07
48)		Acenaphthylene	1.833	1.903	1.510	1.816	1.877		1.788	8.90
49)		3-Nitroaniline		0.264	0.237	0.293	0.307	0.261	0.273	10.09
50)	C	Acenaphthene	1.305	1.325	1.067	1.294	1.370		1.272	9.31
51)		2,4-Dinitrophenol		0.130	0.115	0.164	0.204	0.208	0.164	25.69

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.243	0.205	0.272	0.305	0.277	0.261	14.56
53)		4-Nitrophenol		0.224	0.206	0.277	0.305	0.278	0.258	16.00
54)		Dibenzofuran	1.932	2.024	1.571	1.883	1.937		1.869	9.34
55)		2,4-Dinitrotoluen	0.287	0.352	0.323	0.442	0.489		0.379	22.27
56)		2,3,4,6-Tetrachlo	0.377	0.410	0.364	0.473	0.518		0.428	15.26
57)		Diethylphthalate	1.506	1.664	1.320	1.584	1.654		1.545	9.14
58)	S	Fluorene-d10	1.458	1.480	1.193	1.431	1.482		1.409	8.68
59)		Fluorene	1.569	1.610	1.286	1.537	1.589		1.518	8.74
60)		4-Chlorophenyl-ph	0.925	0.914	0.732	0.874	0.924		0.874	9.37
61)		4-Nitroaniline		0.291	0.259	0.321	0.341	0.287	0.300	10.56
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.083	0.072	0.100	0.121	0.124	0.100	22.99
64)		4,6-Dinitro-2-met		0.087	0.077	0.113	0.137	0.135	0.110	24.96
65)		N-Nitrosodiphenyl	0.586	0.629	0.481	0.575	0.607		0.576	9.86
66)		4-Bromophenyl-phe	0.249	0.267	0.212	0.254	0.266		0.250	9.08
67)		Hexachlorobenzene	0.220	0.189	0.143	0.264	0.261		0.215	23.75
68)		Atrazine		0.252	0.203	0.248	0.259	0.230	0.238	9.44
69)	C	Pentachlorophenol		0.140	0.124	0.163	0.188	0.173	0.157	16.15
70)		Phenanthrene	1.170	1.186	0.918	1.090	1.103		1.093	9.75
71)	S	Anthracene-d10	0.980	0.997	0.768	0.906	0.937		0.918	9.93
72)		Anthracene	1.186	1.233	0.933	1.090	1.097		1.108	10.37
73)		1,2,3,4-Tetrachlo	0.308	0.319	0.265	0.313	0.338		0.309	8.82
74)		Pentachlorobenzen	0.314	0.338	0.267	0.314	0.335		0.314	8.99
75)		Carbazole		0.992	0.780	0.926	0.951	0.764	0.883	11.75
76)		Di-n-butylphthala	1.095	1.188	0.944	1.120	1.128		1.095	8.29
77)	C	Fluoranthene		1.552	1.183	1.383	1.359	1.015	1.298	15.83
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.023	1.132	0.899	1.068	1.067		1.038	8.36
80)		Pyrene	1.378	1.408	1.100	1.285	1.256		1.286	9.44
81)		Butylbenzylphthal	0.386	0.463	0.398	0.477	0.517		0.448	12.35
82)		3,3'-Dichlorobenz		0.515	0.423	0.498	0.506	0.397	0.468	11.54
83)		Benzo(a)anthracen	1.342	1.430	1.137	1.307	1.327		1.309	8.19
84)		Bis(2-ethylhexyl)	0.618	0.702	0.582	0.690	0.739		0.666	9.63
85)		Chrysene	1.327	1.383	1.098	1.254	1.285		1.269	8.46
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.119	0.970	1.175	1.214	0.983	1.092	10.14
88)		Benzo(b)fluoranth	1.376	1.401	1.119	1.334	1.367		1.319	8.69
89)		Benzo(k)fluoranth	1.329	1.363	1.106	1.294	1.338		1.286	8.07
90)	S	Benzo(a)pyrene-d1	1.096	1.123	0.915	1.101	1.154		1.078	8.69
91)	C	Benzo(a)pyrene	1.257	1.268	1.034	1.210	1.258		1.205	8.15
92)		Indeno(1,2,3-cd)p	1.488	1.547	1.256	1.500	1.601		1.479	8.93
93)		Dibenzo(a,h)anthr	1.252	1.289	1.037	1.240	1.309		1.225	8.89
94)		Benzo(g,h,i)peryl	1.282	1.286	1.049	1.251	1.325		1.239	8.82

(#) = Out of Range