Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG012716.M
Title : SVOA CALIBRATION
Last Update : Wed Jan 27 17:29:07 2016
Response Via : Initial Calibration

Calibration Files
5 =BG020760.D 10 =BG020761.D 20 =BG020762.D
40 =BG020763.D 80 =BG020764.D 160 =BG020765.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.703	0.674	0.541	0.472	0.462		0.570	19.76
3)	S	1,4-Dioxane-d8	0.393	0.447	0.442	0.405	0.399		0.417	6.07
4)		Benzaldehyde		1.238	1.303	1.273	1.216	0.713	1.149	21.41
5)	S	Phenol-d5		1.895	2.004	2.049	2.182	2.106	2.047	5.28
6)		Phenol		2.055	2.147	2.219	2.256	2.177	2.171	3.53
7)	S	Bis-(2-Chloroethy		1.076	1.089	1.073	1.068	1.027	1.067	2.22
8)		Bis(2-Chloroethyl		1.592	1.681	1.645	1.653	1.560	1.626	3.03
9)	S	2-Chlorophenol-d4	1.425	1.476	1.553	1.574	1.658		1.537	5.88
10)		2-Chlorophenol	1.460	1.565	1.620	1.645	1.698		1.598	5.65
11)		2-Methylphenol		1.622	1.718	1.751	1.794	1.730	1.723	3.70
12)		2,2'-oxybis(1-Chl		1.863	1.864	1.793	1.793	1.673	1.797	4.33
13)	S	4-Methylphenol-d8		1.636	1.778	1.808	1.854	1.755	1.766	4.63
14)		Acetophenone		2.764	2.827	2.766	2.749	2.546	2.730	3.93
15)	P	N-Nitroso-di-n-pr	1.252	1.406	1.437	1.425	1.382		1.380	5.40
16)		4-Methylphenol		1.870	1.958	1.967	1.977	1.867	1.928	2.84
17)		Hexachloroethane	0.520	0.567	0.578	0.563	0.572		0.560	4.12
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.094	0.116	0.127	0.131	0.142		0.122	14.72
20)		Nitrobenzene	0.234	0.267	0.295	0.305	0.314		0.283	11.52
21)		Isophorone	0.719	0.759	0.782	0.756	0.720		0.747	3.63
22)	S	2-Nitrophenol-d4	0.082	0.094	0.106	0.117	0.136		0.107	19.53
23)	C	2-Nitrophenol	0.095	0.107	0.130	0.151	0.167		0.130	23.11#
24)		2,4-Dimethylpheno	0.326	0.357	0.381	0.373	0.365		0.361	5.85
25)		Bis(2-Chloroethox	0.453	0.475	0.495	0.473	0.460		0.471	3.40
26)	S	2,4-Dichloropheno	0.252	0.283	0.308	0.309	0.309		0.292	8.52
27)	C	2,4-Dichloropheno	0.275	0.304	0.322	0.325	0.321		0.309	6.74
28)		Naphthalene	1.118	1.125	1.162	1.098	1.075		1.116	2.91
29)	S	4-Chloroaniline-d		0.392	0.464	0.459	0.410	0.328	0.411	13.58
30)		4-Chloroaniline		0.420	0.498	0.487	0.432	0.347	0.437	13.88
31)	C	Hexachlorobutadie	0.150	0.157	0.160	0.150	0.149		0.153	3.33
32)		Caprolactam		0.127	0.139	0.132	0.123	0.110	0.126	8.66
33)	C	4-Chloro-3-methyl	0.336	0.371	0.391	0.382	0.363		0.368	5.73
34)		2-Methylnaphthale	0.850	0.859	0.905	0.856	0.821		0.858	3.52
35)		1-Methylnaphthale	0.817	0.835	0.856	0.815	0.776		0.820	3.62
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.526	0.547	0.585	0.578	0.586		0.565	4.69
38)		Hexachlorocyclope		0.268	0.285	0.291	0.315	0.341	0.300	9.52
39)	C	2,4,6-Trichloroph	0.328	0.358	0.391	0.394	0.398		0.374	8.09
40)		2,4,5-Trichloroph	0.375	0.400	0.437	0.434	0.431		0.415	6.48
41)		1,1'-Biphenyl	1.696	1.728	1.825	1.754	1.710		1.743	2.90
42)		2-Chloronaphthale	1.237	1.296	1.331	1.295	1.266		1.285	2.75
43)		2-Nitroaniline	0.156	0.215	0.253	0.288	0.306		0.243	24.65
44)	S	Dimethylphthalate	1.696	1.750	1.799	1.699	1.599		1.708	4.36
45)		Dimethylphthalate	1.776	1.866	1.868	1.753	1.652		1.783	5.03
46)		2,6-Dinitrotoluen	0.157	0.199	0.246	0.279	0.304		0.237	25.10
47)	S	Acenaphthylene-d8	1.999	2.092	2.182	2.101	2.036		2.082	3.35
48)		Acenaphthylene	2.253	2.317	2.417	2.314	2.199		2.300	3.55
49)		3-Nitroaniline		0.269	0.329	0.359	0.345	0.305	0.321	10.95
50)	C	Acenaphthene	1.574	1.630	1.657	1.603	1.544		1.602	2.80
51)		2,4-Dinitrophenol		0.082	0.087	0.100	0.120	0.137	0.105	21.83

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.259	0.297	0.322	0.324	0.310	0.302	8.78
53)		4-Nitrophenol		0.150	0.173	0.177	0.177	0.167	0.169	6.56
54)		Dibenzofuran	2.122	2.143	2.190	2.065	1.947		2.093	4.45
55)		2,4-Dinitrotoluen	0.223	0.289	0.346	0.392	0.419		0.334	23.71
56)		2,3,4,6-Tetrachlo	0.305	0.352	0.379	0.383	0.374		0.359	9.04
57)		Diethylphthalate	1.912	1.996	1.972	1.835	1.708		1.885	6.19
58)	S	Fluorene-d10	1.520	1.534	1.551	1.463	1.399		1.493	4.18
59)		Fluorene	1.850	1.877	1.924	1.801	1.692		1.829	4.83
60)		4-Chlorophenyl-ph	0.808	0.814	0.824	0.781	0.739		0.793	4.31
61)		4-Nitroaniline		0.346	0.416	0.419	0.408	0.356	0.389	9.02
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.045	0.054	0.065	0.078	0.089	0.066	26.86
64)		4,6-Dinitro-2-met		0.050	0.063	0.079	0.095	0.103	0.078	27.83
65)		N-Nitrosodiphenyl	0.631	0.670	0.687	0.673	0.674		0.667	3.17
66)		4-Bromophenyl-phe	0.201	0.211	0.217	0.215	0.222		0.213	3.84
67)		Hexachlorobenzene	0.225	0.231	0.246	0.237	0.245		0.237	3.80
68)		Atrazine		0.212	0.236	0.222	0.223	0.209	0.220	4.83
69)	C	Pentachlorophenol		0.115	0.132	0.138	0.146	0.151	0.136	10.33
70)		Phenanthrene	1.230	1.269	1.317	1.243	1.221		1.256	3.08
71)	S	Anthracene-d10	0.968	1.008	1.019	0.967	0.955		0.984	2.86
72)		Anthracene	1.236	1.282	1.318	1.245	1.198		1.256	3.65
73)		1,2,3,4-Tetrachlo	0.208	0.217	0.243	0.250	0.269		0.237	10.48
74)		Pentachlorobenzen	0.224	0.232	0.249	0.254	0.264		0.244	6.63
75)		Carbazole		1.151	1.205	1.125	1.092	0.999	1.114	6.88
76)		Di-n-butylphthala	1.257	1.296	1.425	1.349	1.346		1.334	4.75
77)	C	Fluoranthene		1.328	1.397	1.297	1.266	1.164	1.290	6.66
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.044	1.102	1.129	1.084	1.069		1.086	2.97
80)		Pyrene	1.500	1.559	1.590	1.490	1.421		1.512	4.33
81)		Butylbenzylphthal	0.516	0.576	0.615	0.619	0.642		0.594	8.31
82)		3,3'-Dichlorobenz		0.423	0.453	0.460	0.445	0.358	0.428	9.61
83)		Benzo(a)anthracen	1.250	1.295	1.345	1.282	1.268		1.288	2.79
84)		Bis(2-ethylhexyl)	0.821	0.891	0.945	0.952	0.987		0.919	7.03
85)		Chrysene	1.179	1.199	1.244	1.182	1.178		1.196	2.34
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.532	1.622	1.646	1.665	1.606	1.614	3.16
88)		Benzo(b)fluoranth	1.227	1.307	1.344	1.343	1.331		1.310	3.72
89)		Benzo(k)fluoranth	1.208	1.317	1.339	1.278	1.276		1.284	3.90
90)	S	Benzo(a)pyrene-d1	1.002	1.063	1.115	1.088	1.092		1.072	4.04
91)	C	Benzo(a)pyrene	1.194	1.263	1.297	1.265	1.248		1.254	3.01
92)		Indeno(1,2,3-cd)p	1.378	1.444	1.497	1.495	1.512		1.465	3.78
93)		Dibenzo(a,h)anthr	1.135	1.200	1.257	1.228	1.232		1.211	3.86
94)		Benzo(g,h,i)peryl	1.126	1.196	1.234	1.224	1.235		1.203	3.82

(#) = Out of Range