Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG123015.M
Title : SVOA CALIBRATION
Last Update : Wed Dec 30 08:00:55 2015
Response Via : Initial Calibration

Calibration Files
5 =BG020592.D 10 =BG020593.D 20 =BG020594.D
40 =BG020595.D 80 =BG020596.D 160 =BG020597.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.442	0.440	0.427	0.419	0.380		0.422	5.96
3)	S	1,4-Dioxane-d8	0.259	0.346	0.400	0.350	0.314		0.334	15.56
4)		Benzaldehyde		1.095	1.211	1.121	1.003	0.747	1.035	17.14
5)	S	Phenol-d5		1.493	1.780	1.688	1.723	1.762	1.689	6.81
6)		Phenol		1.629	1.955	1.827	1.825	1.861	1.820	6.54
7)	S	Bis-(2-Chloroethy		0.989	1.092	1.031	0.996	1.000	1.022	4.17
8)		Bis(2-Chloroethyl		1.225	1.413	1.291	1.288	1.271	1.298	5.36
9)	S	2-Chlorophenol-d4	1.151	1.206	1.406	1.342	1.352		1.292	8.32
10)		2-Chlorophenol	1.230	1.300	1.446	1.408	1.366		1.350	6.40
11)		2-Methylphenol		1.292	1.487	1.410	1.387	1.437	1.402	5.16
12)		2,2'-oxybis(1-Chl		1.647	1.861	1.723	1.635	1.617	1.697	5.92
13)	S	4-Methylphenol-d8		1.323	1.554	1.435	1.456	1.478	1.449	5.77
14)		Acetophenone		2.302	2.573	2.394	2.323	2.281	2.375	5.00
15)	P	N-Nitroso-di-n-pr	1.100	1.169	1.333	1.203	1.191		1.199	7.06
16)		4-Methylphenol		1.434	1.656	1.550	1.557	1.559	1.551	5.07
17)		Hexachloroethane	0.572	0.550	0.609	0.557	0.548		0.567	4.45
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.132	0.151	0.167	0.163	0.160		0.155	9.03
20)		Nitrobenzene	0.359	0.374	0.418	0.391	0.387		0.386	5.65
21)		Isophorone	0.681	0.739	0.836	0.753	0.747		0.751	7.36
22)	S	2-Nitrophenol-d4	0.144	0.167	0.202	0.190	0.193		0.179	13.20
23)	C	2-Nitrophenol	0.173	0.176	0.201	0.199	0.198		0.189	7.37
24)		2,4-Dimethylpheno	0.346	0.396	0.437	0.408	0.405		0.398	8.34
25)		Bis(2-Chloroethox	0.382	0.397	0.454	0.423	0.418		0.415	6.61
26)	S	2,4-Dichloropheno	0.292	0.327	0.378	0.350	0.356		0.341	9.60
27)	C	2,4-Dichloropheno	0.314	0.332	0.384	0.363	0.366		0.352	8.06
28)		Naphthalene	1.024	1.056	1.150	1.044	1.022		1.059	4.97
29)	S	4-Chloroaniline-d		0.389	0.461	0.424	0.398	0.351	0.405	10.21
30)		4-Chloroaniline		0.416	0.476	0.424	0.408	0.354	0.416	10.50
31)	C	Hexachlorobutadie	0.273	0.286	0.303	0.281	0.275		0.284	4.14
32)		Caprolactam		0.113	0.128	0.125	0.120	0.117	0.121	5.02
33)	C	4-Chloro-3-methyl	0.336	0.368	0.417	0.394	0.388		0.381	7.99
34)		2-Methylnaphthale	0.717	0.808	0.861	0.793	0.783		0.793	6.57
35)		1-Methylnaphthale	0.732	0.762	0.832	0.753	0.746		0.765	5.07
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.759	0.751	0.813	0.764	0.763		0.770	3.17
38)		Hexachlorocyclope		0.124	0.228	0.287	0.345	0.402	0.277	38.87
39)	C	2,4,6-Trichloroph	0.376	0.410	0.466	0.442	0.463		0.431	8.90
40)		2,4,5-Trichloroph	0.418	0.450	0.520	0.484	0.495		0.473	8.43
41)		1,1'-Biphenyl	1.486	1.489	1.600	1.489	1.460		1.505	3.65
42)		2-Chloronaphthale	1.182	1.209	1.281	1.205	1.180		1.211	3.40
43)		2-Nitroaniline	0.299	0.326	0.385	0.361	0.367		0.348	9.93
44)	S	Dimethylphthalate	1.602	1.642	1.751	1.621	1.567		1.637	4.24
45)		Dimethylphthalate	1.644	1.716	1.786	1.638	1.578		1.672	4.80
46)		2,6-Dinitrotoluen	0.327	0.329	0.374	0.350	0.354		0.347	5.56
47)	S	Acenaphthylene-d8	1.824	1.847	1.981	1.841	1.804		1.859	3.78
48)		Acenaphthylene	1.982	1.973	2.099	1.947	1.899		1.980	3.74
49)		3-Nitroaniline		0.300	0.346	0.341	0.311	0.280	0.316	8.82
50)	C	Acenaphthene	1.333	1.343	1.415	1.315	1.293		1.340	3.45
51)		2,4-Dinitrophenol		0.060	0.124	0.154	0.187	0.207	0.146	39.48

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG123015.M
Title : SVOA CALIBRATION
Last Update : Wed Dec 30 08:00:55 2015
Response Via : Initial Calibration

Calibration Files
5 =BG020592.D 10 =BG020593.D 20 =BG020594.D
40 =BG020595.D 80 =BG020596.D 160 =BG020597.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.211	0.271	0.273	0.270	0.259	0.257	10.16
53)		4-Nitrophenol		0.196	0.234	0.239	0.236	0.228	0.227	7.79
54)		Dibenzofuran	2.039	2.039	2.155	1.976	1.915		2.025	4.40
55)		2,4-Dinitrotoluen	0.459	0.491	0.554	0.525	0.503		0.506	7.04
56)		2,3,4,6-Tetrachlo	0.362	0.404	0.490	0.473	0.477		0.441	12.62
57)		Diethylphthalate	1.738	1.752	1.824	1.686	1.616		1.723	4.50
58)	S	Fluorene-d10	1.524	1.486	1.557	1.442	1.409		1.484	4.03
59)		Fluorene	1.633	1.646	1.748	1.591	1.526		1.629	4.99
60)		4-Chlorophenyl-ph	0.923	0.943	1.011	0.937	0.892		0.941	4.66
61)		4-Nitroaniline		0.326	0.373	0.367	0.338	0.321	0.345	6.83
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.100	0.119	0.123	0.130	0.135	0.121	11.07
64)		4,6-Dinitro-2-met		0.103	0.133	0.133	0.137	0.142	0.130	11.75
65)		N-Nitrosodiphenyl	0.522	0.545	0.593	0.550	0.544		0.551	4.71
66)		4-Bromophenyl-phe	0.230	0.234	0.260	0.246	0.245		0.243	4.85
67)		Hexachlorobenzene	0.264	0.255	0.283	0.266	0.266		0.267	3.77
68)		Atrazine		0.239	0.262	0.250	0.236	0.230	0.243	5.29
69)	C	Pentachlorophenol		0.070	0.102	0.111	0.119	0.135	0.107	22.66#
70)		Phenanthrene	1.082	1.090	1.164	1.079	1.021		1.087	4.68
71)	S	Anthracene-d10	0.944	0.926	0.999	0.916	0.874		0.932	4.88
72)		Anthracene	1.124	1.115	1.191	1.096	1.034		1.112	5.08
73)		1,2,3,4-Tetrachlo	0.303	0.299	0.330	0.327	0.328		0.318	4.83
74)		Pentachlorobenzen	0.286	0.292	0.323	0.306	0.310		0.303	4.83
75)		Carbazole		0.948	1.035	0.965	0.886	0.858	0.938	7.44
76)		Di-n-butylphthala	1.061	1.100	1.199	1.121	1.024		1.101	6.01
77)	C	Fluoranthene		1.375	1.489	1.369	1.238	1.171	1.328	9.41
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.877	0.882	0.975	0.896	0.854		0.897	5.18
80)		Pyrene	1.174	1.165	1.266	1.136	1.052		1.158	6.67
81)		Butylbenzylphthal	0.372	0.392	0.437	0.423	0.416		0.408	6.36
82)		3,3'-Dichlorobenz		0.376	0.419	0.412	0.377	0.322	0.381	10.08
83)		Benzo(a)anthracen	1.157	1.142	1.253	1.179	1.119		1.170	4.39
84)		Bis(2-ethylhexyl)	0.544	0.564	0.630	0.602	0.591		0.586	5.73
85)		Chrysene	1.105	1.070	1.180	1.107	1.046		1.101	4.60
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.007	1.109	1.090	1.045	1.000	1.050	4.64
88)		Benzo(b)fluoranth	1.137	1.117	1.278	1.212	1.194		1.188	5.37
89)		Benzo(k)fluoranth	1.114	1.106	1.209	1.168	1.095		1.138	4.25
90)	S	Benzo(a)pyrene-d1	0.936	0.957	1.061	1.029	1.006		0.998	5.15
91)	C	Benzo(a)pyrene	1.089	1.111	1.217	1.174	1.115		1.141	4.62
92)		Indeno(1,2,3-cd)p	1.269	1.293	1.453	1.410	1.381		1.361	5.74
93)		Dibenzo(a,h)anthr	1.079	1.071	1.213	1.178	1.136		1.135	5.44
94)		Benzo(g,h,i)peryl	1.049	1.060	1.194	1.158	1.130		1.118	5.59

(#) = Out of Range