Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG063016.M
Title : SVOA CALIBRATION
Last Update : Fri Jul 01 08:12:10 2016
Response Via : Initial Calibration

Calibration Files
5 =BG022723.D 10 =BG022724.D 20 =BG022745.D
40 =BG022726.D 80 =BG022727.D 160 =BG022728.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.433	0.430	0.373	0.446	0.415		0.419	6.70
3)	S	1,4-Dioxane-d8	0.296	0.361	0.351	0.406	0.375		0.358	11.19
4)		Benzaldehyde		1.388	1.475	1.424	1.373	1.027	1.338	13.29
5)	S	Phenol-d5		2.088	2.111	2.213	2.155	1.951	2.104	4.65
6)		Phenol		2.155	2.177	2.294	2.213	1.935	2.155	6.22
7)	S	Bis-(2-Chloroethy		1.178	1.232	1.231	1.189	1.102	1.186	4.47
8)		Bis(2-Chloroethyl		1.451	1.503	1.533	1.508	1.372	1.473	4.34
9)	S	2-Chlorophenol-d4	1.475	1.327	1.404	1.401	1.420		1.405	3.79
10)		2-Chlorophenol	1.491	1.357	1.438	1.429	1.432		1.429	3.34
11)		2-Methylphenol		1.621	1.578	1.679	1.667	1.548	1.619	3.47
12)		2,2'-oxybis(1-Chl		1.686	1.702	1.686	1.676	1.533	1.657	4.22
13)	S	4-Methylphenol-d8		1.577	1.657	1.718	1.668	1.551	1.634	4.20
14)		Acetophenone		2.696	2.657	2.806	2.676	2.361	2.639	6.28
15)	P	N-Nitroso-di-n-pr	1.578	1.553	1.557	1.617	1.625		1.586	2.11
16)		4-Methylphenol		1.808	1.779	1.894	1.833	1.685	1.800	4.27
17)		Hexachloroethane	0.605	0.573	0.638	0.600	0.627		0.609	4.13
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.168	0.157	0.157	0.156	0.160		0.159	3.20
20)		Nitrobenzene	0.477	0.508	0.510	0.482	0.475		0.490	3.46
21)		Isophorone	0.839	0.886	0.879	0.896	0.874		0.875	2.48
22)	S	2-Nitrophenol-d4	0.200	0.190	0.188	0.195	0.190		0.192	2.49
23)	C	2-Nitrophenol	0.202	0.201	0.209	0.203	0.205		0.204	1.52
24)		2,4-Dimethylpheno	0.519	0.497	0.480	0.481	0.466		0.489	4.11
25)		Bis(2-Chloroethox	0.551	0.530	0.505	0.503	0.492		0.516	4.69
26)	S	2,4-Dichloropheno	0.421	0.413	0.390	0.401	0.385		0.402	3.77
27)	C	2,4-Dichloropheno	0.444	0.410	0.396	0.393	0.379		0.404	6.12
28)		Naphthalene	1.098	1.097	1.002	0.988	0.928		1.023	7.23
29)	S	4-Chloroaniline-d		0.310	0.313	0.393	0.373	0.313	0.341	11.64
30)		4-Chloroaniline		0.330	0.324	0.396	0.378	0.312	0.348	10.54
31)	C	Hexachlorobutadie	0.322	0.326	0.312	0.300	0.297		0.311	4.11
32)		Caprolactam		0.128	0.133	0.141	0.144	0.129	0.135	5.39
33)	C	4-Chloro-3-methyl	0.535	0.537	0.489	0.518	0.478		0.511	5.21
34)		2-Methylnaphthale	0.873	0.899	0.842	0.836	0.781		0.846	5.23
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.808	0.759	0.747	0.726	0.698		0.748	5.47
37)		Hexachlorocyclope		0.389	0.452	0.463	0.486	0.467	0.451	8.18
38)	C	2,4,6-Trichloroph	0.532	0.532	0.509	0.517	0.488		0.516	3.55
39)		2,4,5-Trichloroph	0.557	0.552	0.556	0.545	0.504		0.543	4.08
40)		1,1'-Biphenyl	1.727	1.623	1.512	1.445	1.297		1.521	10.85
41)		2-Chloronaphthale	1.379	1.272	1.244	1.179	1.084		1.232	8.92
42)		2-Nitroaniline	0.507	0.468	0.471	0.482	0.453		0.476	4.18
43)	S	Dimethylphthalate	1.744	1.680	1.658	1.627	1.414		1.625	7.71
44)		Dimethylphthalate	1.815	1.767	1.678	1.625	1.410		1.659	9.52
45)		2,6-Dinitrotoluen	0.365	0.352	0.357	0.370	0.351		0.359	2.34
46)	S	Acenaphthylene-d8	1.993	2.028	1.878	1.812	1.599		1.862	9.18
47)		Acenaphthylene	2.084	1.989	1.896	1.831	1.575		1.875	10.30
48)		3-Nitroaniline		0.282	0.278	0.307	0.287	0.248	0.281	7.59
49)	C	Acenaphthene	1.409	1.336	1.272	1.229	1.123		1.274	8.52
50)		2,4-Dinitrophenol		0.148	0.168	0.214	0.232	0.236	0.200	19.79
51)	S	4-Nitrophenol-d4		0.241	0.255	0.273	0.260	0.246	0.255	4.87

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.319	0.328	0.338	0.330	0.308	0.324	3.54
53)		Dibenzofuran	2.268	2.127	1.952	1.885	1.607		1.968	12.76
54)		2,4-Dinitrotoluen	0.526	0.531	0.503	0.541	0.496		0.519	3.69
55)		2,3,4,6-Tetrachlo	0.520	0.545	0.568	0.591	0.537		0.552	5.02
56)		Diethylphthalate	1.789	1.805	1.719	1.680	1.435		1.686	8.84
57)	S	Fluorene-d10	1.697	1.610	1.541	1.519	1.331		1.539	8.82
58)		Fluorene	1.715	1.697	1.582	1.560	1.352		1.581	9.17
59)		4-Chlorophenyl-ph	1.049	0.996	0.928	0.917	0.844		0.947	8.30
60)		4-Nitroaniline		0.345	0.350	0.356	0.333	0.301	0.337	6.52
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.111	0.120	0.136	0.139	0.136	0.129	9.42
63)		4,6-Dinitro-2-met		0.120	0.129	0.144	0.147	0.142	0.136	8.42
64)		N-Nitrosodiphenyl	0.646	0.618	0.592	0.573	0.516		0.589	8.39
65)		4-Bromophenyl-phe	0.279	0.280	0.263	0.266	0.249		0.268	4.69
66)		Hexachlorobenzene	0.298	0.293	0.281	0.280	0.264		0.283	4.60
67)		Atrazine		0.254	0.253	0.259	0.243	0.218	0.246	6.64
68)	C	Pentachlorophenol		0.143	0.154	0.169	0.176	0.172	0.163	8.55
69)		Phenanthrene	1.134	1.111	1.051	0.990	0.829		1.023	11.90
70)	S	Anthracene-d10	1.053	0.996	0.938	0.892	0.769		0.930	11.65
71)		Anthracene	1.188	1.149	1.091	1.008	0.820		1.051	13.86
72)		Carbazole		0.901	0.883	0.842	0.718	0.545	0.778	19.09
73)		Di-n-butylphthala	1.078	1.065	1.056	1.000	0.794		0.999	11.81
74)	C	Fluoranthene		1.343	1.277	1.173	0.907	0.628	1.066	27.75#
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.070	1.030	0.983	0.921	0.774		0.955	12.13
77)		Pyrene	1.336	1.254	1.145	1.052	0.811		1.120	18.16
78)		Butylbenzylphthal	0.441	0.457	0.438	0.435	0.400		0.434	4.84
79)		3,3'-Dichlorobenz		0.396	0.397	0.414	0.385	0.301	0.379	11.82
80)		Benzo(a)anthracen	1.346	1.251	1.220	1.121	0.928		1.173	13.54
81)		Bis(2-ethylhexyl)	0.584	0.572	0.557	0.569	0.519		0.560	4.42
82)		Chrysene	1.195	1.165	1.097	1.027	0.855		1.068	12.70
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.025	0.979	0.951	0.851	0.601	0.881	19.21
85)		Benzo(b)fluoranth	1.393	1.329	1.251	1.198	1.078		1.250	9.71
86)		Benzo(k)fluoranth	1.264	1.247	1.226	1.144	0.989		1.174	9.63
87)	S	Benzo(a)pyrene-d1	1.002	0.986	0.954	0.940	0.870		0.950	5.40
88)	C	Benzo(a)pyrene	1.297	1.273	1.203	1.140	1.025		1.187	9.22
89)		Indeno(1,2,3-cd)p	1.300	1.308	1.281	1.203	1.185		1.255	4.55
90)		Dibenzo(a,h)anthr	1.117	1.087	1.083	0.976	0.927		1.038	7.89
91)		Benzo(g,h,i)peryl	1.088	1.006	1.004	0.923	0.900		0.984	7.63

(#) = Out of Range