Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG0100716.M
Title : SVOA CALIBRATION
Last Update : Fri Oct 07 06:34:32 2016
Response Via : Initial Calibration

Calibration Files
5 =BG024196.D 10 =BG024197.D 20 =BG024217.D
40 =BG024199.D 80 =BG024200.D 160 =BG024201.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.497	0.478	0.465	0.404	0.438		0.456	7.95
3)	S	1,4-Dioxane-d8	0.471	0.410	0.402	0.437	0.386		0.421	7.90
4)		Benzaldehyde		1.404	1.509	1.432	1.327	0.894	1.313	18.53
5)	S	Phenol-d5		1.804	1.966	1.862	1.850	1.848	1.866	3.23
6)		Phenol		1.849	2.011	1.896	1.866	1.848	1.894	3.62
7)	S	Bis-(2-Chloroethy		1.358	1.305	1.233	1.213	1.198	1.261	5.39
8)		Bis(2-Chloroethyl		1.346	1.502	1.375	1.392	1.356	1.394	4.52
9)	S	2-Chlorophenol-d4	1.199	1.251	1.373	1.307	1.295		1.285	5.03
10)		2-Chlorophenol	1.316	1.294	1.366	1.274	1.262		1.302	3.15
11)		2-Methylphenol		1.356	1.458	1.410	1.384	1.405	1.403	2.67
12)		2,2'-oxybis(1-Chl		2.940	3.014	2.780	2.663	2.522	2.784	7.19
13)	S	4-Methylphenol-d8		1.425	1.591	1.512	1.483	1.531	1.509	4.05
14)		Acetophenone		2.205	2.433	2.248	2.171	2.144	2.240	5.11
15)	P	N-Nitroso-di-n-pr	1.261	1.316	1.454	1.385	1.338		1.351	5.38
16)		4-Methylphenol		1.393	1.548	1.494	1.494	1.510	1.488	3.86
17)		Hexachloroethane	0.644	0.620	0.613	0.560	0.576		0.602	5.65
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.131	0.137	0.152	0.142	0.147		0.142	5.83
20)		Nitrobenzene	0.416	0.454	0.484	0.451	0.442		0.449	5.42
21)		Isophorone	0.754	0.811	0.910	0.816	0.792		0.816	7.06
22)	S	2-Nitrophenol-d4	0.142	0.151	0.165	0.164	0.172		0.159	7.77
23)	C	2-Nitrophenol	0.164	0.167	0.187	0.169	0.179		0.173	5.54
24)		2,4-Dimethylpheno	0.426	0.431	0.464	0.408	0.403		0.426	5.66
25)		Bis(2-Chloroethox	0.432	0.442	0.497	0.437	0.430		0.448	6.24
26)	S	2,4-Dichloropheno	0.331	0.345	0.375	0.338	0.340		0.346	4.97
27)	C	2,4-Dichloropheno	0.325	0.336	0.357	0.317	0.322		0.332	4.82
28)		Naphthalene	1.014	0.983	1.033	0.916	0.870		0.963	7.11
29)	S	4-Chloroaniline-d		0.363	0.406	0.395	0.353	0.299	0.363	11.57
30)		4-Chloroaniline		0.399	0.410	0.383	0.353	0.298	0.369	12.10
31)	C	Hexachlorobutadie	0.260	0.267	0.287	0.257	0.255		0.266	4.92
32)		Caprolactam		0.117	0.135	0.127	0.126	0.125	0.126	4.94
33)	C	4-Chloro-3-methyl	0.406	0.403	0.432	0.404	0.384		0.406	4.17
34)		2-Methylnaphthale	0.832	0.765	0.804	0.736	0.691		0.766	7.24
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.552	0.619	0.634	0.566	0.579		0.590	5.96
37)		Hexachlorocyclope		0.422	0.459	0.418	0.438	0.425	0.432	3.84
38)	C	2,4,6-Trichloroph	0.377	0.377	0.403	0.371	0.383		0.382	3.26
39)		2,4,5-Trichloroph	0.417	0.419	0.445	0.408	0.412		0.420	3.44
40)		1,1'-Biphenyl	1.303	1.379	1.401	1.227	1.166		1.295	7.70
41)		2-Chloronaphthale	1.008	1.063	1.078	0.979	0.948		1.015	5.43
42)		2-Nitroaniline	0.322	0.366	0.418	0.398	0.428		0.386	11.16
43)	S	Dimethylphthalate	1.456	1.497	1.479	1.322	1.228		1.396	8.37
44)		Dimethylphthalate	1.363	1.504	1.473	1.296	1.210		1.369	8.92
45)		2,6-Dinitrotoluen	0.223	0.249	0.291	0.275	0.291		0.266	11.01
46)	S	Acenaphthylene-d8	1.588	1.676	1.732	1.558	1.444		1.600	6.94
47)		Acenaphthylene	1.574	1.635	1.645	1.483	1.360		1.539	7.75
48)		3-Nitroaniline		0.247	0.269	0.266	0.255	0.218	0.251	8.11
49)	C	Acenaphthene	1.112	1.156	1.160	1.065	1.009		1.100	5.82
50)		2,4-Dinitrophenol		0.132	0.178	0.178	0.198	0.205	0.178	15.90
51)	S	4-Nitrophenol-d4		0.234	0.260	0.242	0.254	0.248	0.248	4.13

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.289	0.325	0.294	0.303	0.288	0.300	5.05
53)		Dibenzofuran	1.688	1.748	1.749	1.520	1.391		1.619	9.78
54)		2,4-Dinitrotoluen	0.336	0.389	0.427	0.404	0.413		0.394	8.89
55)		2,3,4,6-Tetrachlo	0.402	0.395	0.442	0.405	0.417		0.413	4.48
56)		Diethylphthalate	1.493	1.536	1.581	1.358	1.249		1.443	9.50
57)	S	Fluorene-d10	1.376	1.386	1.448	1.228	1.164		1.320	9.01
58)		Fluorene	1.428	1.389	1.452	1.252	1.173		1.339	9.03
59)		4-Chlorophenyl-ph	0.750	0.785	0.796	0.702	0.683		0.743	6.70
60)		4-Nitroaniline		0.289	0.306	0.291	0.298	0.261	0.289	5.87
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.100	0.117	0.120	0.130	0.134	0.120	11.17
63)		4,6-Dinitro-2-met		0.104	0.131	0.127	0.133	0.136	0.126	10.18
64)		N-Nitrosodiphenyl	0.565	0.604	0.602	0.547	0.510		0.566	6.99
65)		4-Bromophenyl-phe	0.235	0.233	0.238	0.228	0.224		0.232	2.42
66)		Hexachlorobenzene	0.252	0.277	0.269	0.250	0.245		0.258	5.36
67)		Atrazine		0.237	0.244	0.234	0.226	0.215	0.231	4.78
68)	C	Pentachlorophenol		0.129	0.163	0.160	0.167	0.166	0.157	9.95
69)		Phenanthrene	1.108	1.086	1.081	0.954	0.820		1.010	12.09
70)	S	Anthracene-d10	0.976	0.954	0.971	0.860	0.756		0.903	10.51
71)		Anthracene	1.146	1.119	1.099	0.962	0.813		1.028	13.55
72)		Carbazole		0.910	0.949	0.843	0.736	0.596	0.807	17.73
73)		Di-n-butylphthala	1.047	1.061	1.073	0.958	0.793		0.986	11.90
74)	C	Fluoranthene		1.259	1.246	1.073	0.874	0.647	1.020	25.53#
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.965	1.017	1.022	0.903	0.761		0.933	11.57
77)		Pyrene	1.178	1.198	1.166	1.005	0.794		1.068	16.08
78)		Butylbenzylphthal	0.418	0.431	0.458	0.439	0.401		0.429	5.00
79)		3,3'-Dichlorobenz		0.419	0.408	0.403	0.357	0.275	0.372	15.91
80)		Benzo(a)anthracen	1.211	1.194	1.195	1.048	0.901		1.110	12.08
81)		Bis(2-ethylhexyl)	0.632	0.615	0.655	0.595	0.538		0.607	7.32
82)		Chrysene	1.151	1.134	1.153	0.997	0.847		1.057	12.69
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.051	1.088	1.004	0.869	0.680	0.938	17.73
85)		Benzo(b)fluoranth	1.159	1.134	1.173	1.091	0.995		1.110	6.44
86)		Benzo(k)fluoranth	1.125	1.116	1.142	1.037	0.928		1.070	8.28
87)	S	Benzo(a)pyrene-d1	0.900	0.900	0.960	0.896	0.844		0.900	4.55
88)	C	Benzo(a)pyrene	1.084	1.077	1.131	1.033	0.962		1.058	6.02
89)		Indeno(1,2,3-cd)p	1.284	1.157	1.332	1.271	1.220		1.253	5.35
90)		Dibenzo(a,h)anthr	1.033	1.084	1.118	1.056	1.005		1.059	4.15
91)		Benzo(g,h,i)peryl	1.033	1.086	1.104	1.033	1.011		1.053	3.76

(#) = Out of Range