Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG052915.M
Title : SVOA CALIBRATION
Last Update : Fri May 29 17:44:44 2015
Response Via : Initial Calibration

Calibration Files
5 =BG017355.D 10 =BG017356.D 20 =BG017357.D
40 =BG017358.D 80 =BG017359.D 160 =BG017360.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.526	0.593	0.392	0.443	0.435		0.478	16.84
3)	S	1,4-Dioxane-d8	0.420	0.439	0.423	0.438	0.385		0.421	5.21
4)		Benzaldehyde		1.108	1.155	1.166	0.884	0.299	0.922	39.75
5)	S	Phenol-d5		1.614	1.666	1.689	1.663	1.797	1.686	4.03
6)		Phenol		1.565	1.807	1.783	1.770	1.922	1.769	7.29
7)	S	Bis-(2-Chloroethy		0.975	1.052	1.002	0.985	1.025	1.008	3.10
8)		Bis(2-Chloroethyl		1.288	1.352	1.377	1.281	1.367	1.333	3.39
9)	S	2-Chlorophenol-d4	1.245	1.360	1.420	1.401	1.406		1.367	5.25
10)		2-Chlorophenol	1.363	1.291	1.380	1.407	1.359		1.360	3.18
11)		2-Methylphenol		1.310	1.470	1.430	1.399	1.516	1.425	5.48
12)		2,2'-oxybis(1-Chl		2.165	2.392	2.332	2.191	2.311	2.278	4.24
13)	S	4-Methylphenol-d8		1.302	1.467	1.471	1.436	1.547	1.445	6.18
14)		Acetophenone		2.245	2.329	2.255	2.179	2.378	2.277	3.40
15)	P	N-Nitroso-di-n-pr	1.252	1.276	1.369	1.355	1.288		1.308	3.93
16)		4-Methylphenol		1.435	1.550	1.596	1.515	1.675	1.554	5.75
17)		Hexachloroethane	0.617	0.599	0.669	0.633	0.613		0.626	4.27
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.155	0.147	0.155	0.160	0.158		0.155	3.27
20)		Nitrobenzene	0.399	0.406	0.426	0.425	0.418		0.415	2.84
21)		Isophorone	0.758	0.739	0.811	0.785	0.774		0.773	3.53
22)	S	2-Nitrophenol-d4	0.162	0.190	0.196	0.185	0.189		0.184	7.02
23)	C	2-Nitrophenol	0.175	0.166	0.198	0.196	0.193		0.186	7.59
24)		2,4-Dimethylpheno	0.383	0.384	0.425	0.413	0.416		0.404	4.82
25)		Bis(2-Chloroethox	0.416	0.388	0.422	0.411	0.401		0.407	3.22
26)	S	2,4-Dichloropheno	0.320	0.304	0.334	0.333	0.329		0.324	3.80
27)	C	2,4-Dichloropheno	0.298	0.297	0.328	0.325	0.318		0.313	4.69
28)		Naphthalene	1.049	0.967	1.053	1.020	0.984		1.015	3.79
29)	S	4-Chloroaniline-d		0.422	0.447	0.425	0.354	0.213	0.372	25.73
30)		4-Chloroaniline		0.408	0.460	0.418	0.362	0.226	0.375	24.07
31)	C	Hexachlorobutadie	0.207	0.197	0.212	0.214	0.216		0.209	3.66
32)		Caprolactam		0.124	0.149	0.139	0.140	0.148	0.140	7.33
33)	C	4-Chloro-3-methyl	0.373	0.347	0.394	0.391	0.383		0.378	5.08
34)		2-Methylnaphthale	0.779	0.714	0.793	0.778	0.760		0.765	3.99
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.549	0.562	0.604	0.590	0.598		0.581	4.11
37)		Hexachlorocyclope		0.160	0.245	0.289	0.336	0.399	0.286	31.68
38)	C	2,4,6-Trichloroph	0.351	0.356	0.402	0.409	0.404		0.384	7.43
39)		2,4,5-Trichloroph	0.399	0.393	0.432	0.431	0.442		0.419	5.21
40)		1,1'-Biphenyl	1.499	1.417	1.567	1.503	1.506		1.499	3.56
41)		2-Chloronaphthale	1.200	1.146	1.280	1.191	1.186		1.201	4.07
42)		2-Nitroaniline	0.441	0.412	0.460	0.451	0.452		0.443	4.23
43)	S	Dimethylphthalate	1.389	1.365	1.518	1.455	1.403		1.426	4.28
44)		Dimethylphthalate	1.557	1.574	1.641	1.586	1.558		1.583	2.18
45)		2,6-Dinitrotoluen	0.354	0.330	0.357	0.353	0.358		0.350	3.36
46)	S	Acenaphthylene-d8	1.866	1.768	1.926	1.864	1.807		1.847	3.29
47)		Acenaphthylene	1.984	1.933	2.087	1.973	1.944		1.984	3.08
48)		3-Nitroaniline		0.356	0.376	0.363	0.355	0.330	0.356	4.78
49)	C	Acenaphthene	1.271	1.238	1.350	1.281	1.274		1.283	3.18
50)		2,4-Dinitrophenol		0.093	0.146	0.187	0.219	0.245	0.178	33.77
51)	S	4-Nitrophenol-d4		0.207	0.279	0.275	0.292	0.307	0.272	14.06

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.256	0.304	0.316	0.332	0.345	0.310	11.06
53)		Dibenzofuran	1.886	1.765	1.900	1.801	1.746		1.820	3.86
54)		2,4-Dinitrotoluen	0.490	0.500	0.518	0.526	0.508		0.508	2.81
55)		2,3,4,6-Tetrachlo	0.330	0.345	0.376	0.391	0.392		0.367	7.63
56)		Diethylphthalate	1.695	1.648	1.770	1.686	1.632		1.686	3.16
57)	S	Fluorene-d10	1.394	1.343	1.436	1.371	1.328		1.374	3.10
58)		Fluorene	1.574	1.517	1.612	1.615	1.570		1.577	2.52
59)		4-Chlorophenyl-ph	0.828	0.806	0.874	0.829	0.828		0.833	3.00
60)		4-Nitroaniline		0.368	0.380	0.376	0.363	0.364	0.370	2.05
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.108	0.125	0.150	0.154	0.163	0.140	16.38
63)		4,6-Dinitro-2-met		0.112	0.136	0.149	0.153	0.163	0.143	13.88
64)		N-Nitrosodiphenyl	0.569	0.577	0.602	0.598	0.602		0.590	2.61
65)		4-Bromophenyl-phe	0.203	0.229	0.229	0.233	0.231		0.225	5.52
66)		Hexachlorobenzene	0.242	0.223	0.236	0.245	0.247		0.239	4.08
67)		Atrazine		0.247	0.245	0.258	0.229	0.193	0.234	10.79
68)	C	Pentachlorophenol		0.073	0.095	0.121	0.137	0.157	0.117	28.65#
69)		Phenanthrene	1.059	1.046	1.066	1.080	1.066		1.063	1.17
70)	S	Anthracene-d10	0.917	0.914	0.954	0.951	0.948		0.937	2.09
71)		Anthracene	1.107	1.063	1.116	1.110	1.082		1.096	2.04
72)		Carbazole		0.978	1.022	0.998	0.967	0.943	0.982	3.06
73)		Di-n-butylphthala	1.357	1.349	1.371	1.371	1.315		1.353	1.69
74)	C	Fluoranthene		1.309	1.333	1.318	1.267	1.192	1.284	4.44
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.927	0.928	1.013	1.002	0.972		0.968	4.15
77)		Pyrene	1.219	1.216	1.318	1.269	1.239		1.252	3.38
78)		Butylbenzylphthal	0.539	0.556	0.578	0.580	0.559		0.562	3.00
79)		3,3'-Dichlorobenz		0.404	0.443	0.440	0.436	0.445	0.434	3.86
80)		Benzo(a)anthracen	1.169	1.166	1.233	1.204	1.174		1.189	2.41
81)		Bis(2-ethylhexyl)	0.823	0.762	0.831	0.816	0.812		0.809	3.36
82)		Chrysene	1.083	1.076	1.145	1.107	1.097		1.101	2.46
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.301	1.392	1.397	1.362	1.290	1.348	3.74
85)		Benzo(b)fluoranth	1.201	1.109	1.240	1.264	1.213		1.205	4.91
86)		Benzo(k)fluoranth	1.091	1.082	1.137	1.161	1.187		1.132	3.95
87)	S	Benzo(a)pyrene-d1	0.864	0.838	0.912	0.934	0.917		0.893	4.51
88)	C	Benzo(a)pyrene	1.137	1.071	1.149	1.176	1.163		1.139	3.60
89)		Indeno(1,2,3-cd)p	1.255	1.199	1.297	1.327	1.340		1.283	4.49
90)		Dibenzo(a,h)anthr	1.054	1.003	1.097	1.148	1.164		1.093	6.06
91)		Benzo(g,h,i)peryl	1.100	1.006	1.077	1.092	1.086		1.072	3.52

(#) = Out of Range