Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG101515.M
Title : SVOA CALIBRATION
Last Update : Fri Oct 16 17:02:04 2015
Response Via : Initial Calibration

Calibration Files
5 =BG019204.D 10 =BG019205.D 20 =BG019210.D
40 =BG019207.D 80 =BG019208.D 160 =BG019209.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.479	0.494	0.388	0.378	0.376		0.423	13.83
3)	S	1,4-Dioxane-d8	0.318	0.414	0.366	0.354	0.344		0.359	9.87
4)		Benzaldehyde		1.289	1.089	1.096	0.972	0.626	1.014	24.13
5)	S	Phenol-d5		1.847	1.613	1.674	1.746	1.847	1.745	5.97
6)		Phenol		1.997	1.655	1.748	1.800	1.888	1.818	7.20
7)	S	Bis-(2-Chloroethy		1.265	1.086	1.067	1.098	1.100	1.123	7.15
8)		Bis(2-Chloroethyl		1.457	1.238	1.244	1.246	1.261	1.289	7.31
9)	S	2-Chlorophenol-d4	1.129	1.447	1.216	1.243	1.327		1.272	9.47
10)		2-Chlorophenol	1.130	1.522	1.237	1.295	1.347		1.306	11.11
11)		2-Methylphenol		1.522	1.312	1.365	1.432	1.503	1.427	6.26
12)		2,2'-oxybis(1-Chl		3.319	2.772	2.754	2.777	2.748	2.874	8.67
13)	S	4-Methylphenol-d8		1.564	1.365	1.420	1.497	1.548	1.479	5.72
14)		Acetophenone		2.922	2.296	2.381	2.429	2.454	2.496	9.83
15)	P	N-Nitroso-di-n-pr	1.161	1.428	1.236	1.267	1.286		1.275	7.65
16)		4-Methylphenol		1.740	1.443	1.555	1.601	1.664	1.601	7.00
17)		Hexachloroethane	0.547	0.660	0.526	0.532	0.545		0.562	9.88
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.151	0.181	0.139	0.146	0.154		0.154	10.33
20)		Nitrobenzene	0.402	0.485	0.413	0.405	0.407		0.422	8.32
21)		Isophorone	0.802	0.937	0.785	0.792	0.799		0.823	7.78
22)	S	2-Nitrophenol-d4	0.128	0.186	0.158	0.167	0.179		0.164	13.82
23)	C	2-Nitrophenol	0.156	0.191	0.171	0.174	0.177		0.174	7.17
24)		2,4-Dimethylpheno	0.398	0.469	0.403	0.407	0.428		0.421	6.95
25)		Bis(2-Chloroethox	0.427	0.493	0.396	0.401	0.408		0.425	9.33
26)	S	2,4-Dichloropheno	0.275	0.369	0.307	0.327	0.342		0.324	11.01
27)	C	2,4-Dichloropheno	0.298	0.358	0.321	0.325	0.333		0.327	6.58
28)		Naphthalene	1.102	1.192	0.960	0.981	0.992		1.045	9.46
29)	S	4-Chloroaniline-d		0.506	0.445	0.425	0.405	0.304	0.417	17.58
30)		4-Chloroaniline		0.531	0.455	0.440	0.407	0.317	0.430	18.10
31)	C	Hexachlorobutadie	0.230	0.277	0.232	0.225	0.230		0.239	9.06
32)		Caprolactam		0.134	0.122	0.118	0.117	0.114	0.121	6.23
33)	C	4-Chloro-3-methyl	0.362	0.475	0.398	0.414	0.411		0.412	9.93
34)		2-Methylnaphthale	0.823	0.979	0.780	0.777	0.785		0.829	10.39
35)		1-Methylnaphthale	0.787	0.941	0.776	0.773	0.781		0.812	8.94
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.634	0.734	0.609	0.607	0.621		0.641	8.27
38)		Hexachlorocyclope		0.372	0.335	0.371	0.408	0.420	0.381	8.78
39)	C	2,4,6-Trichloroph	0.372	0.454	0.366	0.395	0.407		0.399	8.78
40)		2,4,5-Trichloroph	0.402	0.480	0.431	0.437	0.443		0.439	6.35
41)		1,1'-Biphenyl	1.521	1.819	1.509	1.495	1.463		1.561	9.33
42)		2-Chloronaphthale	1.211	1.387	1.137	1.162	1.139		1.207	8.68
43)		2-Nitroaniline	0.431	0.535	0.452	0.474	0.470		0.472	8.24
44)	S	Dimethylphthalate	1.785	2.096	1.644	1.639	1.582		1.749	11.88
45)		Dimethylphthalate	1.815	2.073	1.666	1.675	1.582		1.762	10.93
46)		2,6-Dinitrotoluen	0.305	0.379	0.319	0.335	0.341		0.336	8.23
47)	S	Acenaphthylene-d8	1.894	2.187	1.794	1.806	1.773		1.891	9.08
48)		Acenaphthylene	2.113	2.448	1.960	1.995	1.910		2.085	10.37
49)		3-Nitroaniline		0.368	0.322	0.335	0.306	0.279	0.322	10.33
50)	C	Acenaphthene	1.394	1.624	1.313	1.340	1.311		1.396	9.44
51)		2,4-Dinitrophenol		0.164	0.160	0.194	0.215	0.229	0.192	15.91

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.356	0.296	0.310	0.309	0.301	0.314	7.59
53)		4-Nitrophenol		0.380	0.335	0.336	0.338	0.330	0.344	5.93
54)		Dibenzofuran	2.028	2.333	1.852	1.847	1.807		1.973	11.07
55)		2,4-Dinitrotoluen	0.535	0.644	0.512	0.528	0.507		0.545	10.36
56)		2,3,4,6-Tetrachlo	0.367	0.463	0.402	0.439	0.436		0.422	8.79
57)		Diethylphthalate	1.906	2.198	1.720	1.704	1.616		1.829	12.68
58)	S	Fluorene-d10	1.552	1.755	1.411	1.406	1.351		1.495	10.91
59)		Fluorene	1.766	1.974	1.587	1.591	1.527		1.689	10.82
60)		4-Chlorophenyl-ph	0.937	1.030	0.809	0.803	0.776		0.871	12.44
61)		4-Nitroaniline		0.445	0.354	0.385	0.364	0.359	0.381	9.76
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.124	0.112	0.122	0.129	0.130	0.123	5.62
64)		4,6-Dinitro-2-met		0.123	0.115	0.124	0.131	0.130	0.125	5.06
65)		N-Nitrosodiphenyl	0.523	0.647	0.517	0.533	0.529		0.550	9.98
66)		4-Bromophenyl-phe	0.223	0.254	0.213	0.218	0.223		0.226	7.14
67)		Hexachlorobenzene	0.255	0.301	0.246	0.251	0.257		0.262	8.42
68)		Atrazine		0.308	0.252	0.263	0.257	0.242	0.264	9.66
69)	C	Pentachlorophenol		0.120	0.119	0.133	0.147	0.154	0.135	11.81
70)		Phenanthrene	1.171	1.275	1.051	1.042	1.045		1.117	9.27
71)	S	Anthracene-d10	0.972	1.099	0.887	0.883	0.883		0.945	9.98
72)		Anthracene	1.178	1.328	1.065	1.066	1.036		1.135	10.65
73)		1,2,3,4-Tetrachlo	0.222	0.279	0.228	0.238	0.253		0.244	9.39
74)		Pentachlorobenzen	0.259	0.301	0.249	0.258	0.268		0.267	7.55
75)		Carbazole		1.199	0.951	0.950	0.933	0.857	0.978	13.23
76)		Di-n-butylphthala	1.337	1.519	1.222	1.202	1.158		1.288	11.29
77)	C	Fluoranthene		1.743	1.389	1.389	1.315	1.154	1.398	15.41
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.900	1.029	0.860	0.874	0.872		0.907	7.68
80)		Pyrene	1.238	1.345	1.121	1.132	1.099		1.187	8.69
81)		Butylbenzylphthal	0.393	0.496	0.415	0.426	0.429		0.432	8.90
82)		3,3'-Dichlorobenz		0.410	0.357	0.374	0.358	0.327	0.365	8.31
83)		Benzo(a)anthracen	1.141	1.310	1.067	1.067	1.063		1.130	9.36
84)		Bis(2-ethylhexyl)	0.557	0.676	0.567	0.583	0.601		0.597	7.91
85)		Chrysene	1.105	1.244	0.997	0.990	1.005		1.068	10.20
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.241	1.014	1.042	1.027	0.998	1.064	9.40
88)		Benzo(b)fluoranth	1.093	1.304	1.070	1.096	1.108		1.134	8.44
89)		Benzo(k)fluoranth	1.138	1.285	1.047	1.056	1.040		1.113	9.35
90)	S	Benzo(a)pyrene-d1	0.984	1.175	0.948	0.974	0.971		1.010	9.20
91)	C	Benzo(a)pyrene	1.073	1.267	1.031	1.044	1.040		1.091	9.14
92)		Indeno(1,2,3-cd)p	1.270	1.482	1.209	1.257	1.259		1.295	8.26
93)		Dibenzo(a,h)anthr	1.103	1.287	1.070	1.090	1.093		1.129	7.92
94)		Benzo(g,h,i)peryl	1.030	1.242	0.994	1.025	1.035		1.065	9.42

(#) = Out of Range