Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG080815.M
Title : SVOA CALIBRATION
Last Update : Mon Aug 10 06:51:49 2015
Response Via : Initial Calibration

Calibration Files
5 =BG018314.D 10 =BG018315.D 20 =BG018316.D
40 =BG018317.D 80 =BG018318.D 160 =BG018319.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.794	0.443	0.431	0.313	0.342		0.465	41.44
3)	S	1,4-Dioxane-d8	0.490	0.383	0.356	0.305	0.339		0.375	18.81
4)		Benzaldehyde		1.427	1.241	1.259	1.205	0.941	1.215	14.44
5)	S	Phenol-d5		2.002	1.712	1.731	1.900	1.949	1.859	7.02
6)		Phenol		2.036	1.769	1.770	1.909	2.013	1.899	6.72
7)	S	Bis-(2-Chloroethy		1.187	1.031	1.037	1.023	1.063	1.068	6.35
8)		Bis(2-Chloroethyl		1.587	1.348	1.260	1.392	1.368	1.391	8.64
9)	S	2-Chlorophenol-d4	1.762	1.649	1.318	1.370	1.559		1.532	12.18
10)		2-Chlorophenol	1.686	1.701	1.279	1.375	1.486		1.505	12.40
11)		2-Methylphenol		1.617	1.391	1.447	1.528	1.563	1.509	6.00
12)		2,2'-oxybis(1-Chl		1.450	1.250	1.128	1.217	1.235	1.256	9.43
13)	S	4-Methylphenol-d8		1.780	1.532	1.506	1.567	1.553	1.588	6.91
14)		Acetophenone		2.989	2.527	2.364	2.627	2.676	2.637	8.74
15)	P	N-Nitroso-di-n-pr	1.882	1.707	1.536	1.350	1.481		1.591	13.00
16)		4-Methylphenol		1.862	1.528	1.543	1.696	1.714	1.668	8.23
17)		Hexachloroethane	0.882	0.875	0.726	0.685	0.738		0.781	11.67
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.186	0.213	0.163	0.173	0.173		0.182	10.59
20)		Nitrobenzene	0.583	0.556	0.478	0.469	0.474		0.512	10.45
21)		Isophorone	1.102	1.044	0.882	0.850	0.887		0.953	11.80
22)	S	2-Nitrophenol-d4	0.232	0.235	0.186	0.197	0.199		0.210	10.43
23)	C	2-Nitrophenol	0.263	0.234	0.188	0.194	0.212		0.218	14.17
24)		2,4-Dimethylpheno	0.559	0.589	0.480	0.494	0.500		0.524	8.98
25)		Bis(2-Chloroethox	0.497	0.526	0.409	0.408	0.421		0.452	12.23
26)	S	2,4-Dichloropheno	0.434	0.433	0.328	0.362	0.379		0.387	11.91
27)	C	2,4-Dichloropheno	0.399	0.411	0.325	0.334	0.367		0.367	10.38
28)		Naphthalene	1.318	1.264	1.019	1.042	1.096		1.148	11.77
29)	S	4-Chloroaniline-d		0.471	0.449	0.448	0.440	0.334	0.428	12.64
30)		4-Chloroaniline		0.466	0.402	0.428	0.421	0.324	0.408	12.81
31)	C	Hexachlorobutadie	0.388	0.346	0.277	0.278	0.298		0.317	15.27
32)		Caprolactam		0.207	0.146	0.147	0.156	0.140	0.159	17.10
33)	C	4-Chloro-3-methyl	0.541	0.548	0.443	0.450	0.476		0.491	10.16
34)		2-Methylnaphthale	1.026	0.999	0.827	0.824	0.855		0.906	10.85
35)		1-Methylnaphthale	1.041	1.008	0.799	0.805	0.844		0.900	12.92
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.825	0.797	0.669	0.719	0.692		0.740	9.13
38)		Hexachlorocyclope		0.148	0.175	0.275	0.350	0.405	0.271	40.74
39)	C	2,4,6-Trichloroph	0.516	0.523	0.426	0.483	0.470		0.484	8.11
40)		2,4,5-Trichloroph	0.507	0.571	0.450	0.509	0.502		0.508	8.45
41)		1,1'-Biphenyl	1.935	1.977	1.651	1.696	1.633		1.778	9.24
42)		2-Chloronaphthale	1.484	1.516	1.264	1.300	1.243		1.361	9.46
43)		2-Nitroaniline	0.525	0.534	0.505	0.476	0.479		0.504	5.17
44)	S	Dimethylphthalate	2.413	2.278	1.802	1.830	1.758		2.016	15.15
45)		Dimethylphthalate	2.253	2.211	1.805	1.829	1.765		1.973	12.08
46)		2,6-Dinitrotoluen	0.483	0.482	0.379	0.394	0.389		0.425	12.31
47)	S	Acenaphthylene-d8	2.459	2.455	2.088	2.091	2.050		2.229	9.39
48)		Acenaphthylene	2.485	2.541	1.984	2.097	2.027		2.227	11.90
49)		3-Nitroaniline		0.436	0.384	0.370	0.337	0.297	0.365	14.29
50)	C	Acenaphthene	1.678	1.682	1.384	1.388	1.363		1.499	11.04
51)		2,4-Dinitrophenol		0.146	0.123	0.205	0.219	0.224	0.183	25.12

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.279	0.225	0.254	0.260	0.263	0.256	7.68
53)		4-Nitrophenol		0.411	0.407	0.387	0.408	0.455	0.414	6.09
54)		Dibenzofuran	2.554	2.378	2.051	2.026	2.028		2.207	11.06
55)		2,4-Dinitrotoluen	0.737	0.696	0.576	0.575	0.587		0.634	12.09
56)		2,3,4,6-Tetrachlo	0.537	0.457	0.426	0.432	0.449		0.460	9.73
57)		Diethylphthalate	2.525	2.382	2.019	1.960	1.948		2.167	12.36
58)	S	Fluorene-d10	1.996	1.944	1.636	1.647	1.610		1.767	10.60
59)		Fluorene	2.183	2.141	1.737	1.741	1.781		1.917	11.74
60)		4-Chlorophenyl-ph	1.249	1.226	1.017	0.985	1.008		1.097	11.77
61)		4-Nitroaniline		0.460	0.362	0.357	0.356	0.318	0.370	14.25
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.152	0.133	0.141	0.156	0.157	0.148	6.98
64)		4,6-Dinitro-2-met		0.146	0.131	0.150	0.162	0.163	0.151	8.88
65)		N-Nitrosodiphenyl	0.741	0.765	0.564	0.586	0.600		0.651	14.48
66)		4-Bromophenyl-phe	0.330	0.330	0.258	0.259	0.279		0.291	12.42
67)		Hexachlorobenzene	0.394	0.415	0.302	0.320	0.338		0.354	13.73
68)		Atrazine		0.353	0.260	0.273	0.279	0.267	0.286	13.24
69)	C	Pentachlorophenol		0.081	0.064	0.095	0.125	0.137	0.100	30.15#
70)		Phenanthrene	1.486	1.439	1.064	1.109	1.156		1.251	15.69
71)	S	Anthracene-d10	1.269	1.265	0.905	0.959	0.997		1.079	16.22
72)		Anthracene	1.475	1.463	1.088	1.121	1.146		1.258	15.35
73)		1,2,3,4-Tetrachlo	0.321	0.336	0.247	0.284	0.302		0.298	11.63
74)		Pentachlorobenzen	0.375	0.373	0.302	0.322	0.336		0.342	9.31
75)		Carbazole		1.117	0.906	0.947	0.965	0.928	0.973	8.61
76)		Di-n-butylphthala	1.775	1.675	1.254	1.301	1.328		1.467	16.36
77)	C	Fluoranthene		1.643	1.239	1.306	1.332	1.299	1.364	11.73
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.377	1.193	1.012	1.099	1.104		1.157	11.98
80)		Pyrene	1.721	1.564	1.252	1.371	1.380		1.458	12.68
81)		Butylbenzylphthal	0.719	0.716	0.540	0.596	0.614		0.637	12.30
82)		3,3'-Dichlorobenz		0.540	0.481	0.527	0.529	0.520	0.520	4.33
83)		Benzo(a)anthracen	1.607	1.549	1.144	1.254	1.254		1.361	14.95
84)		Bis(2-ethylhexyl)	0.963	0.948	0.732	0.806	0.863		0.862	11.27
85)		Chrysene	1.488	1.391	1.084	1.171	1.163		1.259	13.60
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.586	1.249	1.336	1.349	1.431	1.390	9.14
88)		Benzo(b)fluoranth	1.728	1.656	1.289	1.426	1.476		1.515	11.71
89)		Benzo(k)fluoranth	1.628	1.665	1.261	1.330	1.352		1.447	12.82
90)	S	Benzo(a)pyrene-d1	1.420	1.529	1.110	1.187	1.223		1.294	13.45
91)	C	Benzo(a)pyrene	1.534	1.581	1.179	1.245	1.283		1.364	13.28
92)		Indeno(1,2,3-cd)p	1.724	1.888	1.460	1.590	1.672		1.667	9.52
93)		Dibenzo(a,h)anthr	1.447	1.678	1.276	1.395	1.466		1.452	10.08
94)		Benzo(g,h,i)peryl	1.434	1.566	1.193	1.287	1.309		1.358	10.65

(#) = Out of Range