Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM103015.M
Title : SVOA CALIBRATION
Last Update : Tue Nov 17 03:04:37 2015
Response Via : Initial Calibration

Calibration Files
5 =BM003012.D 10 =BM003013.D 20 =BM003014.D
40 =BM003015.D 80 =BM003016.D 160 =BM003017.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.479	0.548	0.428	0.431	0.432		0.463	11.11
3)	S	1,4-Dioxane-d8	0.430	0.486	0.400	0.394	0.412		0.424	8.72
4)		Benzaldehyde		1.069	0.905	0.929	0.807	0.352	0.812	33.69
5)	S	Phenol-d5		1.816	1.581	1.556	1.530	1.422	1.581	9.16
6)		Phenol		1.907	1.648	1.601	1.556	1.424	1.627	10.88
7)	S	Bis-(2-Chloroethy		1.117	0.929	0.895	0.875	0.806	0.924	12.63
8)		Bis(2-Chloroethyl		1.555	1.300	1.257	1.239	1.140	1.298	11.94
9)	S	2-Chlorophenol-d4	1.256	1.519	1.306	1.307	1.312		1.340	7.65
10)		2-Chlorophenol	1.314	1.580	1.347	1.346	1.333		1.384	7.98
11)		2-Methylphenol		1.458	1.281	1.257	1.234	1.117	1.269	9.69
12)		2,2'-oxybis(1-Chl		1.991	1.634	1.542	1.476	1.340	1.597	15.33
13)	S	4-Methylphenol-d8		1.462	1.296	1.260	1.232	1.125	1.275	9.60
14)		Acetophenone		2.414	2.052	1.883	1.764	1.568	1.936	16.53
15)	P	N-Nitroso-di-n-pr	0.906	1.109	0.992	0.925	0.861		0.959	10.05
16)		4-Methylphenol		1.619	1.402	1.356	1.303	1.175	1.371	11.86
17)		Hexachloroethane	0.513	0.590	0.504	0.505	0.521		0.526	6.85
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.095	0.129	0.118	0.130	0.138		0.122	13.72
20)		Nitrobenzene	0.250	0.328	0.287	0.303	0.309		0.296	9.95
21)		Isophorone	0.543	0.676	0.599	0.595	0.585		0.599	8.03
22)	S	2-Nitrophenol-d4	0.096	0.129	0.118	0.132	0.143		0.124	14.52
23)	C	2-Nitrophenol	0.113	0.153	0.141	0.152	0.159		0.144	12.88
24)		2,4-Dimethylpheno	0.319	0.386	0.327	0.325	0.319		0.335	8.60
25)		Bis(2-Chloroethox	0.371	0.450	0.375	0.372	0.368		0.387	9.12
26)	S	2,4-Dichloropheno	0.253	0.312	0.271	0.275	0.274		0.277	7.68
27)	C	2,4-Dichloropheno	0.266	0.323	0.277	0.279	0.277		0.284	7.71
28)		Naphthalene	1.025	1.177	0.952	0.945	0.919		1.004	10.41
29)	S	4-Chloroaniline-d		0.441	0.386	0.372	0.343	0.251	0.359	19.44
30)		4-Chloroaniline		0.471	0.406	0.386	0.354	0.262	0.376	20.43
31)	C	Hexachlorobutadie	0.176	0.201	0.164	0.169	0.171		0.176	8.18
32)		Caprolactam		0.078	0.083	0.080	0.082	0.080	0.080	2.55
33)	C	4-Chloro-3-methyl	0.282	0.339	0.304	0.291	0.287		0.301	7.62
34)		2-Methylnaphthale	0.737	0.849	0.703	0.682	0.646		0.723	10.76
35)		1-Methylnaphthale	0.734	0.836	0.690	0.661	0.625		0.709	11.45
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.639	0.741	0.594	0.620	0.606		0.640	9.21
38)		Hexachlorocyclope		0.392	0.333	0.377	0.393	0.388	0.377	6.72
39)	C	2,4,6-Trichloroph	0.357	0.436	0.373	0.395	0.393		0.391	7.62
40)		2,4,5-Trichloroph	0.384	0.463	0.404	0.422	0.427		0.420	6.96
41)		1,1'-Biphenyl	1.692	1.963	1.586	1.627	1.558		1.685	9.69
42)		2-Chloronaphthale	1.240	1.455	1.186	1.214	1.172		1.254	9.24
43)		2-Nitroaniline	0.176	0.247	0.252	0.281	0.304		0.252	19.12
44)	S	Dimethylphthalate	1.456	1.693	1.493	1.460	1.421		1.505	7.20
45)		Dimethylphthalate	1.528	1.757	1.506	1.463	1.412		1.533	8.68
46)		2,6-Dinitrotoluen	0.181	0.247	0.255	0.277	0.293		0.251	17.14
47)	S	Acenaphthylene-d8	1.824	2.198	1.855	1.867	1.789		1.907	8.70
48)		Acenaphthylene	2.028	2.391	1.963	1.947	1.851		2.036	10.23
49)		3-Nitroaniline		0.252	0.266	0.281	0.279	0.247	0.265	5.80
50)	C	Acenaphthene	1.425	1.614	1.295	1.289	1.233		1.371	11.16
51)		2,4-Dinitrophenol		0.117	0.123	0.135	0.154	0.167	0.139	15.03

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.235	0.246	0.250	0.269	0.268	0.254	5.73
53)		4-Nitrophenol		0.187	0.188	0.189	0.201	0.200	0.193	3.47
54)		Dibenzofuran	1.988	2.250	1.840	1.801	1.705		1.917	11.06
55)		2,4-Dinitrotoluen	0.257	0.347	0.368	0.382	0.409		0.353	16.50
56)		2,3,4,6-Tetrachlo	0.313	0.383	0.344	0.346	0.346		0.347	7.15
57)		Diethylphthalate	1.448	1.687	1.534	1.465	1.427		1.512	7.01
58)	S	Fluorene-d10	1.333	1.500	1.263	1.228	1.180		1.301	9.58
59)		Fluorene	1.597	1.784	1.461	1.369	1.239		1.490	14.10
60)		4-Chlorophenyl-ph	0.738	0.829	0.684	0.650	0.596		0.700	12.69
61)		4-Nitroaniline		0.250	0.270	0.282	0.303	0.315	0.284	9.18
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.085	0.083	0.091	0.100	0.104	0.093	10.01
64)		4,6-Dinitro-2-met		0.093	0.092	0.099	0.108	0.110	0.100	8.19
65)		N-Nitrosodiphenyl	0.586	0.707	0.575	0.581	0.554		0.601	10.11
66)		4-Bromophenyl-phe	0.184	0.221	0.186	0.192	0.190		0.195	7.80
67)		Hexachlorobenzene	0.244	0.276	0.221	0.223	0.217		0.236	10.43
68)		Atrazine		0.227	0.209	0.209	0.207	0.186	0.207	6.99
69)	C	Pentachlorophenol		0.136	0.126	0.131	0.136	0.131	0.132	3.23
70)		Phenanthrene	1.190	1.344	1.080	1.052	0.997		1.133	12.13
71)	S	Anthracene-d10	0.864	1.037	0.860	0.851	0.821		0.887	9.66
72)		Anthracene	1.111	1.318	1.075	1.044	0.983		1.106	11.51
73)		1,2,3,4-Tetrachlo	0.301	0.360	0.271	0.296	0.288		0.303	11.08
74)		Pentachlorobenzen	0.293	0.344	0.261	0.273	0.263		0.287	11.97
75)		Carbazole		1.113	0.952	0.928	0.905	0.824	0.945	11.20
76)		Di-n-butylphthala	0.902	1.180	1.134	1.118	1.107		1.088	9.92
77)	C	Fluoranthene		1.374	1.178	1.128	1.090	0.956	1.145	13.29
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.019	1.124	0.976	0.919	0.884		0.985	9.52
80)		Pyrene	1.403	1.523	1.296	1.195	1.126		1.308	12.15
81)		Butylbenzylphthal	0.267	0.362	0.393	0.432	0.476		0.386	20.55
82)		3,3'-Dichlorobenz		0.268	0.266	0.297	0.294	0.273	0.280	5.36
83)		Benzo(a)anthracen	1.031	1.262	1.074	1.073	1.052		1.098	8.50
84)		Bis(2-ethylhexyl)	0.432	0.620	0.628	0.672	0.669		0.604	16.39
85)		Chrysene	1.110	1.279	1.040	1.016	0.989		1.087	10.71
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		0.886	0.980	1.105	1.135	1.044	1.030	9.73
88)		Benzo(b)fluoranth	1.103	1.326	1.122	1.123	1.086		1.152	8.52
89)		Benzo(k)fluoranth	0.985	1.263	1.091	1.058	0.978		1.075	10.74
90)	S	Benzo(a)pyrene-d1	0.853	1.082	0.934	0.956	0.927		0.950	8.75
91)	C	Benzo(a)pyrene	1.035	1.268	1.062	1.070	1.018		1.091	9.30
92)		Indeno(1,2,3-cd)p	1.063	1.378	1.128	1.224	1.207		1.200	9.87
93)		Dibenzo(a,h)anthr	0.782	1.062	0.901	1.000	0.983		0.945	11.43
94)		Benzo(g,h,i)peryl	1.016	1.255	0.988	1.071	1.067		1.079	9.66

(#) = Out of Range