Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM022317.M
Title : SVOA CALIBRATION
Last Update : Thu Feb 23 16:19:54 2017
Response Via : Initial Calibration

Calibration Files
5 =BM009002.D 10 =BM009003.D 20 =BM009004.D
40 =BM009005.D 80 =BM009006.D 160 =BM009007.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.644	0.586	0.617	0.524	0.539		0.582	8.69
3)	S	1,4-Dioxane-d8	0.544	0.458	0.523	0.489	0.476		0.498	7.06
4)		Benzaldehyde		1.429	1.526	1.461	1.439	0.959	1.363	16.81
5)	S	Phenol-d5		1.654	1.825	1.792	1.889	1.904	1.813	5.50
6)		Phenol		1.766	1.928	1.878	1.993	1.999	1.913	5.02
7)	S	Bis-(2-Chloroethy		1.213	1.314	1.309	1.331	1.324	1.298	3.72
8)		Bis(2-Chloroethyl		1.462	1.511	1.479	1.523	1.527	1.500	1.91
9)	S	2-Chlorophenol-d4	1.144	1.153	1.246	1.219	1.277		1.208	4.80
10)		2-Chlorophenol	1.254	1.166	1.278	1.273	1.319		1.258	4.51
11)		2-Methylphenol		1.200	1.319	1.325	1.391	1.397	1.326	5.99
12)		2,2'-oxybis(1-Chl		2.432	2.548	2.439	2.506	2.444	2.474	2.07
13)	S	4-Methylphenol-d8		1.243	1.314	1.309	1.397	1.393	1.331	4.85
14)		Acetophenone		2.179	2.314	2.279	2.372	2.380	2.305	3.54
15)	P	N-Nitroso-di-n-pr	1.379	1.355	1.459	1.403	1.471		1.413	3.55
16)		4-Methylphenol		1.353	1.446	1.430	1.494	1.485	1.441	3.91
17)		Hexachloroethane	0.621	0.559	0.608	0.609	0.651		0.610	5.45
18)	I	Naphthalene-d8	----------ISTD----------							
19)	S	Nitrobenzene-d5	0.133	0.133	0.146	0.147	0.157		0.143	7.14
20)		Nitrobenzene	0.500	0.501	0.508	0.503	0.516		0.506	1.33
21)		Isophorone	0.791	0.814	0.855	0.856	0.891		0.841	4.67
22)	S	2-Nitrophenol-d4	0.131	0.141	0.158	0.166	0.176		0.154	11.81
23)	C	2-Nitrophenol	0.141	0.159	0.172	0.171	0.189		0.166	10.65
24)		2,4-Dimethylpheno	0.415	0.421	0.433	0.431	0.450		0.430	3.09
25)		Bis(2-Chloroethox	0.472	0.477	0.485	0.482	0.505		0.484	2.58
26)	S	2,4-Dichloropheno	0.296	0.315	0.330	0.330	0.350		0.324	6.19
27)	C	2,4-Dichloropheno	0.279	0.314	0.327	0.325	0.343		0.318	7.52
28)		Naphthalene	0.982	0.993	1.012	0.988	1.038		1.003	2.27
29)	S	4-Chloroaniline-d		0.322	0.375	0.364	0.351	0.297	0.342	9.32
30)		4-Chloroaniline		0.339	0.394	0.391	0.368	0.316	0.362	9.36
31)	C	Hexachlorobutadie	0.263	0.257	0.269	0.265	0.273		0.265	2.33
32)		Caprolactam		0.086	0.090	0.094	0.102	0.104	0.095	8.13
33)	C	4-Chloro-3-methyl	0.349	0.352	0.384	0.377	0.400		0.372	5.86
34)		2-Methylnaphthale	0.697	0.746	0.765	0.754	0.783		0.749	4.33
35)	I	Acenaphthene-d10	----------ISTD----------							
36)		1,2,4,5-Tetrachlo	0.641	0.646	0.646	0.639	0.681		0.651	2.66
37)		Hexachlorocyclope		0.371	0.393	0.412	0.459	0.460	0.419	9.43
38)	C	2,4,6-Trichloroph	0.314	0.365	0.371	0.383	0.422		0.371	10.45
39)		2,4,5-Trichloroph	0.352	0.384	0.413	0.424	0.453		0.405	9.48
40)		1,1'-Biphenyl	1.327	1.340	1.373	1.373	1.484		1.379	4.48
41)		2-Chloronaphthale	1.004	1.058	1.078	1.084	1.150		1.075	4.90
42)		2-Nitroaniline	0.362	0.374	0.416	0.432	0.464		0.410	10.29
43)	S	Dimethylphthalate	1.270	1.284	1.384	1.370	1.424		1.346	4.92
44)		Dimethylphthalate	1.303	1.297	1.360	1.363	1.414		1.347	3.58
45)		2,6-Dinitrotoluen	0.229	0.229	0.253	0.275	0.298		0.257	11.68
46)	S	Acenaphthylene-d8	1.475	1.580	1.666	1.714	1.834		1.654	8.22
47)		Acenaphthylene	1.427	1.545	1.675	1.671	1.783		1.620	8.47
48)		3-Nitroaniline		0.230	0.263	0.272	0.271	0.225	0.252	9.06
49)	C	Acenaphthene	1.093	1.117	1.172	1.173	1.232		1.157	4.69
50)		2,4-Dinitrophenol		0.111	0.149	0.171	0.195	0.206	0.166	22.73
51)	S	4-Nitrophenol-d4		0.195	0.230	0.239	0.257	0.254	0.235	10.57

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.262	0.305	0.308	0.316	0.315	0.301	7.41
53)		Dibenzofuran	1.610	1.677	1.719	1.692	1.778		1.695	3.60
54)		2,4-Dinitrotoluen	0.318	0.340	0.398	0.404	0.437		0.379	12.89
55)		2,3,4,6-Tetrachlo	0.326	0.350	0.381	0.400	0.416		0.375	9.80
56)		Diethylphthalate	1.301	1.302	1.409	1.409	1.477		1.379	5.54
57)	S	Fluorene-d10	1.230	1.214	1.264	1.255	1.323		1.257	3.31
58)		Fluorene	1.331	1.367	1.435	1.410	1.515		1.412	4.97
59)		4-Chlorophenyl-ph	0.759	0.737	0.771	0.754	0.799		0.764	3.04
60)		4-Nitroaniline		0.236	0.289	0.307	0.309	0.262	0.280	11.20
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.093	0.111	0.121	0.134	0.142	0.120	15.91
63)		4,6-Dinitro-2-met		0.098	0.121	0.127	0.139	0.147	0.126	15.15
64)		N-Nitrosodiphenyl	0.557	0.558	0.598	0.583	0.622		0.584	4.73
65)		4-Bromophenyl-phe	0.221	0.218	0.233	0.229	0.240		0.228	3.86
66)		Hexachlorobenzene	0.237	0.244	0.256	0.248	0.265		0.250	4.35
67)		Atrazine		0.209	0.228	0.227	0.241	0.241	0.229	5.80
68)	C	Pentachlorophenol		0.130	0.150	0.155	0.168	0.172	0.155	10.86
69)		Phenanthrene	1.094	1.047	1.130	1.111	1.145		1.105	3.45
70)	S	Anthracene-d10	0.917	0.893	0.961	0.960	1.004		0.947	4.57
71)		Anthracene	1.077	1.080	1.153	1.146	1.184		1.128	4.20
72)		Carbazole		0.912	1.009	0.993	1.038	1.039	0.998	5.23
73)		Di-n-butylphthala	1.012	1.038	1.177	1.176	1.251		1.131	9.00
74)	C	Fluoranthene		1.258	1.371	1.349	1.379	1.326	1.337	3.65
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.790	0.837	0.887	0.899	0.946		0.872	6.87
77)		Pyrene	1.032	1.087	1.125	1.141	1.200		1.117	5.58
78)		Butylbenzylphthal	0.310	0.373	0.408	0.439	0.479		0.402	16.02
79)		3,3'-Dichlorobenz		0.366	0.408	0.402	0.397	0.341	0.383	7.45
80)		Benzo(a)anthracen	1.066	1.104	1.183	1.159	1.192		1.141	4.75
81)		Bis(2-ethylhexyl)	0.471	0.518	0.606	0.629	0.688		0.583	14.97
82)		Chrysene	1.050	1.038	1.116	1.105	1.115		1.085	3.46
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.938	1.128	1.185	1.317	1.190	1.152	11.98
85)		Benzo(b)fluoranth	1.063	1.140	1.254	1.243	1.315		1.203	8.36
86)		Benzo(k)fluoranth	1.006	1.090	1.153	1.195	1.217		1.132	7.55
87)	S	Benzo(a)pyrene-d1	0.805	0.860	0.939	0.945	0.991		0.908	8.18
88)	C	Benzo(a)pyrene	1.028	1.073	1.179	1.187	1.238		1.141	7.64
89)		Indeno(1,2,3-cd)p	1.274	1.214	1.315	1.307	1.368		1.296	4.37
90)		Dibenzo(a,h)anthr	1.089	1.041	1.120	1.121	1.146		1.104	3.66
91)		Benzo(g,h,i)peryl	1.052	1.001	1.094	1.086	1.130		1.072	4.55

(#) = Out of Range