Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM071416.M
Title : SVOA CALIBRATION
Last Update : Fri Jul 15 04:34:07 2016
Response Via : Initial Calibration

Calibration Files
5 =BM006411.D 10 =BM006412.D 20 =BM006417.D
40 =BM006414.D 80 =BM006415.D 160 =BM006416.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.572	0.518	0.487	0.497	0.472		0.509	7.68
3)	S	1,4-Dioxane-d8	0.520	0.485	0.474	0.457	0.439		0.475	6.46
4)		Benzaldehyde		1.145	1.116	1.006	0.755	0.928	0.990	15.89
5)	S	Phenol-d5		1.643	1.662	1.659	1.642	1.589	1.639	1.79
6)		Phenol		1.739	1.750	1.747	1.743	1.659	1.728	2.23
7)	S	Bis-(2-Chloroethy		1.039	1.011	1.004	0.974	0.944	0.994	3.68
8)		Bis(2-Chloroethyl		1.307	1.326	1.274	1.255	1.204	1.273	3.75
9)	S	2-Chlorophenol-d4	1.355	1.340	1.320	1.322	1.303		1.328	1.51
10)		2-Chlorophenol	1.406	1.365	1.362	1.360	1.327		1.364	2.05
11)		2-Methylphenol		1.264	1.289	1.313	1.311	1.257	1.287	2.01
12)		2,2'-oxybis(1-Chl		2.134	2.094	2.108	2.028	1.986	2.070	2.96
13)	S	4-Methylphenol-d8		1.292	1.312	1.311	1.319	1.277	1.302	1.33
14)		Acetophenone		2.146	2.087	2.065	2.035	1.922	2.051	4.03
15)	P	N-Nitroso-di-n-pr	1.113	1.082	1.085	1.069	1.063		1.082	1.78
16)		4-Methylphenol		1.417	1.410	1.401	1.394	1.332	1.391	2.47
17)		Hexachloroethane	0.604	0.587	0.576	0.577	0.558		0.580	2.90
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.153	0.151	0.153	0.151	0.150		0.152	0.91
20)		Nitrobenzene	0.412	0.414	0.394	0.406	0.393		0.404	2.44
21)		Isophorone	0.732	0.729	0.720	0.719	0.704		0.721	1.51
22)	S	2-Nitrophenol-d4	0.169	0.170	0.173	0.175	0.170		0.171	1.48
23)	C	2-Nitrophenol	0.189	0.190	0.188	0.189	0.186		0.188	0.80
24)		2,4-Dimethylpheno	0.423	0.408	0.412	0.401	0.392		0.408	2.85
25)		Bis(2-Chloroethox	0.454	0.438	0.434	0.425	0.404		0.431	4.30
26)	S	2,4-Dichloropheno	0.328	0.328	0.327	0.321	0.313		0.323	1.97
27)	C	2,4-Dichloropheno	0.340	0.329	0.328	0.323	0.312		0.326	3.12
28)		Naphthalene	1.088	1.039	1.028	0.986	0.934		1.015	5.71
29)	S	4-Chloroaniline-d		0.357	0.415	0.391	0.332	0.195	0.338	25.47
30)		4-Chloroaniline		0.374	0.433	0.403	0.344	0.207	0.352	24.82
31)	C	Hexachlorobutadie	0.230	0.228	0.226	0.219	0.211		0.223	3.38
32)		Caprolactam		0.095	0.102	0.106	0.110	0.105	0.104	5.27
33)	C	4-Chloro-3-methyl	0.372	0.366	0.369	0.364	0.358		0.366	1.43
34)		2-Methylnaphthale	0.809	0.798	0.778	0.737	0.702		0.765	5.83
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.741	0.719	0.715	0.683	0.651		0.702	5.01
37)		Hexachlorocyclope		0.311	0.353	0.386	0.400	0.397	0.369	10.14
38)	C	2,4,6-Trichloroph	0.447	0.460	0.458	0.464	0.448		0.455	1.74
39)		2,4,5-Trichloroph	0.464	0.444	0.489	0.477	0.472		0.469	3.50
40)		1,1'-Biphenyl	1.774	1.707	1.671	1.597	1.497		1.649	6.45
41)		2-Chloronaphthale	1.373	1.319	1.319	1.251	1.190		1.290	5.49
42)		2-Nitroaniline	0.426	0.424	0.437	0.460	0.459		0.441	3.94
43)	S	Dimethylphthalate	1.729	1.668	1.650	1.612	1.526		1.637	4.58
44)		Dimethylphthalate	1.772	1.718	1.675	1.612	1.527		1.661	5.71
45)		2,6-Dinitrotoluen	0.317	0.310	0.337	0.347	0.339		0.330	4.76
46)	S	Acenaphthylene-d8	2.131	2.070	2.057	1.985	1.875		2.024	4.85
47)		Acenaphthylene	2.252	2.164	2.155	2.048	1.919		2.108	6.07
48)		3-Nitroaniline		0.311	0.364	0.337	0.294	0.248	0.311	14.21
49)	C	Acenaphthene	1.457	1.420	1.368	1.302	1.233		1.356	6.63
50)		2,4-Dinitrophenol		0.138	0.171	0.202	0.217	0.209	0.187	17.48
51)	S	4-Nitrophenol-d4		0.273	0.294	0.298	0.290	0.267	0.284	4.72

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.308	0.322	0.335	0.332	0.313	0.322	3.60
53)		Dibenzofuran	2.178	2.041	1.998	1.905	1.749		1.974	8.10
54)		2,4-Dinitrotoluen	0.495	0.490	0.502	0.500	0.479		0.493	1.87
55)		2,3,4,6-Tetrachlo	0.427	0.419	0.429	0.435	0.417		0.425	1.73
56)		Diethylphthalate	1.925	1.770	1.758	1.704	1.603		1.752	6.67
57)	S	Fluorene-d10	1.635	1.528	1.441	1.384	1.288		1.455	9.16
58)		Fluorene	1.797	1.664	1.595	1.479	1.360		1.579	10.64
59)		4-Chlorophenyl-ph	0.923	0.854	0.803	0.749	0.687		0.803	11.36
60)		4-Nitroaniline		0.388	0.394	0.375	0.355	0.332	0.369	6.84
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.105	0.117	0.123	0.121	0.113	0.116	6.02
63)		4,6-Dinitro-2-met		0.112	0.124	0.133	0.127	0.120	0.123	6.45
64)		N-Nitrosodiphenyl	0.634	0.615	0.593	0.571	0.525		0.588	7.21
65)		4-Bromophenyl-phe	0.240	0.231	0.226	0.218	0.199		0.223	6.92
66)		Hexachlorobenzene	0.275	0.260	0.253	0.238	0.216		0.248	8.97
67)		Atrazine		0.238	0.230	0.230	0.209	0.178	0.217	11.18
68)	C	Pentachlorophenol		0.104	0.113	0.124	0.131	0.125	0.119	9.19
69)		Phenanthrene	1.224	1.160	1.106	1.045	0.963		1.100	9.18
70)	S	Anthracene-d10	1.049	0.998	0.953	0.905	0.822		0.945	9.22
71)		Anthracene	1.251	1.209	1.141	1.075	0.981		1.131	9.50
72)		Carbazole		1.066	1.033	0.982	0.893	0.809	0.956	11.01
73)		Di-n-butylphthala	1.492	1.344	1.311	1.257	1.136		1.308	9.93
74)	C	Fluoranthene		1.466	1.408	1.310	1.165	1.040	1.278	13.72
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.969	0.931	0.907	0.881	0.845		0.907	5.22
77)		Pyrene	1.288	1.248	1.205	1.146	1.084		1.194	6.76
78)		Butylbenzylphthal	0.531	0.519	0.532	0.535	0.508		0.525	2.16
79)		3,3'-Dichlorobenz		0.454	0.449	0.398	0.346	0.302	0.390	16.87
80)		Benzo(a)anthracen	1.328	1.296	1.232	1.161	1.085		1.221	8.11
81)		Bis(2-ethylhexyl)	0.819	0.773	0.726	0.678	0.648		0.729	9.49
82)		Chrysene	1.273	1.237	1.164	1.081	0.991		1.149	10.01
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.302	1.284	1.211	1.080	0.952	1.166	12.69
85)		Benzo(b)fluoranth	1.325	1.322	1.187	1.143	1.000		1.195	11.37
86)		Benzo(k)fluoranth	1.297	1.172	1.177	1.042	0.934		1.124	12.42
87)	S	Benzo(a)pyrene-d1	1.003	0.972	0.929	0.880	0.789		0.915	9.19
88)	C	Benzo(a)pyrene	1.284	1.229	1.175	1.078	0.959		1.145	11.26
89)		Indeno(1,2,3-cd)p	1.470	1.444	1.349	1.254	1.144		1.332	10.15
90)		Dibenzo(a,h)anthr	1.248	1.207	1.122	1.037	0.922		1.107	11.86
91)		Benzo(g,h,i)peryl	1.261	1.232	1.189	1.150	1.055		1.177	6.82

(#) = Out of Range