Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM012317.M
Title : SVOA CALIBRATION
Last Update : Tue Jan 24 04:28:48 2017
Response Via : Initial Calibration

Calibration Files
5 =BM008801.D 10 =BM008802.D 20 =BM008820.D
40 =BM008804.D 80 =BM008805.D 160 =BM008806.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.430	0.506	0.519	0.507	0.490		0.490	7.23
3)	S	1,4-Dioxane-d8	0.415	0.389	0.394	0.424	0.401		0.405	3.55
4)		Benzaldehyde		1.619	1.694	1.603	1.409	0.643	1.394	31.05
5)	S	Phenol-d5		1.530	1.743	1.662	1.776	1.758	1.694	5.99
6)		Phenol		1.761	1.859	1.823	1.894	1.898	1.847	3.09
7)	S	Bis-(2-Chloroethy		1.325	1.411	1.331	1.335	1.331	1.347	2.68
8)		Bis(2-Chloroethyl		1.345	1.470	1.327	1.391	1.385	1.384	4.01
9)	S	2-Chlorophenol-d4	1.040	1.051	1.128	1.107	1.192		1.104	5.58
10)		2-Chlorophenol	1.104	1.063	1.198	1.163	1.174		1.140	4.88
11)		2-Methylphenol		1.212	1.338	1.335	1.360	1.377	1.324	4.92
12)		2,2'-oxybis(1-Chl		2.498	2.776	2.604	2.594	2.528	2.600	4.16
13)	S	4-Methylphenol-d8		1.227	1.384	1.310	1.354	1.356	1.326	4.64
14)		Acetophenone		2.290	2.454	2.421	2.456	2.537	2.431	3.70
15)	P	N-Nitroso-di-n-pr	1.433	1.596	1.653	1.613	1.627		1.584	5.50
16)		4-Methylphenol		1.347	1.473	1.446	1.433	1.438	1.427	3.33
17)		Hexachloroethane	0.682	0.679	0.707	0.726	0.723		0.703	3.15
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.113	0.121	0.134	0.132	0.135		0.127	7.64
20)		Nitrobenzene	0.520	0.533	0.607	0.569	0.575		0.561	6.21
21)		Isophorone	0.822	0.873	0.983	0.915	0.934		0.905	6.78
22)	S	2-Nitrophenol-d4	0.137	0.147	0.165	0.160	0.165		0.155	8.06
23)	C	2-Nitrophenol	0.144	0.158	0.171	0.160	0.169		0.160	6.65
24)		2,4-Dimethylpheno	0.403	0.433	0.507	0.466	0.480		0.458	8.90
25)		Bis(2-Chloroethox	0.407	0.430	0.493	0.459	0.467		0.451	7.41
26)	S	2,4-Dichloropheno	0.284	0.309	0.359	0.327	0.341		0.324	8.98
27)	C	2,4-Dichloropheno	0.288	0.289	0.350	0.329	0.335		0.318	8.86
28)		Naphthalene	0.853	0.878	0.989	0.933	0.965		0.923	6.22
29)	S	4-Chloroaniline-d		0.369	0.396	0.367	0.348	0.283	0.353	12.00
30)		4-Chloroaniline		0.366	0.396	0.379	0.364	0.301	0.361	9.93
31)	C	Hexachlorobutadie	0.270	0.301	0.338	0.311	0.319		0.308	8.13
32)		Caprolactam		0.087	0.108	0.099	0.098	0.096	0.098	7.61
33)	C	4-Chloro-3-methyl	0.380	0.385	0.437	0.430	0.431		0.413	6.68
34)		2-Methylnaphthale	0.688	0.698	0.817	0.774	0.771		0.750	7.32
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.576	0.586	0.621	0.639	0.649		0.614	5.28
37)		Hexachlorocyclope		0.427	0.461	0.478	0.502	0.507	0.475	6.90
38)	C	2,4,6-Trichloroph	0.342	0.337	0.380	0.403	0.391		0.371	7.96
39)		2,4,5-Trichloroph	0.366	0.374	0.409	0.418	0.424		0.398	6.68
40)		1,1'-Biphenyl	1.150	1.150	1.272	1.291	1.317		1.236	6.49
41)		2-Chloronaphthale	0.898	0.922	0.975	1.023	1.045		0.972	6.48
42)		2-Nitroaniline	0.422	0.449	0.506	0.519	0.518		0.483	9.21
43)	S	Dimethylphthalate	1.242	1.240	1.362	1.371	1.338		1.310	4.94
44)		Dimethylphthalate	1.223	1.266	1.372	1.358	1.330		1.310	4.84
45)		2,6-Dinitrotoluen	0.218	0.231	0.264	0.270	0.272		0.251	9.86
46)	S	Acenaphthylene-d8	1.394	1.454	1.605	1.634	1.665		1.550	7.69
47)		Acenaphthylene	1.415	1.399	1.505	1.567	1.586		1.494	5.72
48)		3-Nitroaniline		0.236	0.267	0.251	0.226	0.208	0.237	9.58
49)	C	Acenaphthene	0.976	0.980	1.081	1.104	1.113		1.051	6.43
50)		2,4-Dinitrophenol		0.145	0.175	0.181	0.197	0.202	0.180	12.40
51)	S	4-Nitrophenol-d4		0.202	0.229	0.223	0.222	0.220	0.219	4.64

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.432	0.469	0.463	0.453	0.441	0.452	3.40
53)		Dibenzofuran	1.471	1.543	1.713	1.678	1.675		1.616	6.41
54)		2,4-Dinitrotoluen	0.345	0.356	0.409	0.414	0.403		0.385	8.40
55)		2,3,4,6-Tetrachlo	0.367	0.365	0.429	0.418	0.421		0.400	7.85
56)		Diethylphthalate	1.336	1.370	1.493	1.480	1.446		1.425	4.85
57)	S	Fluorene-d10	1.165	1.167	1.317	1.286	1.288		1.245	5.86
58)		Fluorene	1.171	1.292	1.430	1.419	1.438		1.350	8.63
59)		4-Chlorophenyl-ph	0.704	0.757	0.820	0.814	0.815		0.782	6.48
60)		4-Nitroaniline		0.252	0.285	0.292	0.256	0.238	0.265	8.62
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.103	0.114	0.118	0.127	0.134	0.119	10.07
63)		4,6-Dinitro-2-met		0.107	0.121	0.125	0.127	0.136	0.123	8.39
64)		N-Nitrosodiphenyl	0.468	0.484	0.520	0.513	0.545		0.506	6.00
65)		4-Bromophenyl-phe	0.201	0.202	0.228	0.226	0.228		0.217	6.56
66)		Hexachlorobenzene	0.222	0.227	0.244	0.238	0.247		0.236	4.58
67)		Atrazine		0.214	0.244	0.231	0.234	0.235	0.232	4.72
68)	C	Pentachlorophenol		0.138	0.155	0.152	0.161	0.166	0.155	6.89
69)		Phenanthrene	0.928	0.940	1.030	1.005	1.023		0.985	4.86
70)	S	Anthracene-d10	0.808	0.824	0.915	0.904	0.921		0.875	6.18
71)		Anthracene	0.928	0.957	1.071	1.022	1.061		1.008	6.29
72)		Carbazole		0.830	0.917	0.875	0.883	0.912	0.884	3.94
73)		Di-n-butylphthala	0.977	1.013	1.130	1.099	1.096		1.063	6.11
74)	C	Fluoranthene		1.230	1.326	1.269	1.270	1.306	1.280	2.90
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.751	0.805	0.914	0.949	0.967		0.877	10.78
77)		Pyrene	0.936	0.978	1.102	1.160	1.189		1.073	10.41
78)		Butylbenzylphthal	0.337	0.359	0.421	0.435	0.445		0.400	12.12
79)		3,3'-Dichlorobenz		0.359	0.415	0.386	0.365	0.344	0.374	7.36
80)		Benzo(a)anthracen	0.995	1.027	1.125	1.103	1.127		1.075	5.65
81)		Bis(2-ethylhexyl)	0.483	0.501	0.584	0.589	0.618		0.555	10.68
82)		Chrysene	0.919	0.954	1.051	1.031	1.044		1.000	5.94
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.976	1.168	1.169	1.219	1.272	1.161	9.63
85)		Benzo(b)fluoranth	1.018	1.093	1.274	1.194	1.231		1.162	9.02
86)		Benzo(k)fluoranth	1.000	0.988	1.178	1.160	1.192		1.104	9.15
87)	S	Benzo(a)pyrene-d1	0.763	0.785	0.896	0.871	0.920		0.847	8.19
88)	C	Benzo(a)pyrene	0.956	0.983	1.134	1.096	1.162		1.066	8.62
89)		Indeno(1,2,3-cd)p	0.988	0.992	1.096	1.100	1.176		1.070	7.48
90)		Dibenzo(a,h)anthr	0.861	0.851	0.948	0.948	1.024		0.926	7.72
91)		Benzo(g,h,i)peryl	0.773	0.802	0.899	0.898	0.979		0.870	9.57

(#) = Out of Range