Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM051619MA.M
Title : SVOA CALIBRATION
Last Update : Fri May 17 04:58:03 2019
Response Via : Initial Calibration

Calibration Files
5 =BM020347.D 10 =BM020348.D 20 =BM020349.D
40 =BM020350.D 80 =BM020351.D 160 =BM020352.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.567	0.553	0.560	0.567	0.580		0.566	1.80
3)	S	1,4-Dioxane-d8	0.598	0.544	0.531	0.505	0.532		0.542	6.32
4)		Benzaldehyde		1.252	1.314	1.260	1.222	1.786	1.367	17.31
5)	S	Phenol-d5		1.479	1.637	1.582	1.651	1.629	1.595	4.39
6)		Phenol		1.577	1.725	1.670	1.725	1.695	1.678	3.63
7)	S	Bis-(2-Chloroethy		0.958	1.050	1.005	1.039	1.019	1.014	3.53
8)		Bis(2-Chloroethyl		1.187	1.313	1.270	1.301	1.271	1.268	3.88
9)	S	2-Chlorophenol-d4	1.058	1.125	1.229	1.201	1.238		1.170	6.58
10)		2-Chlorophenol	1.080	1.159	1.236	1.219	1.275		1.194	6.37
11)		2-Methylphenol		1.055	1.178	1.134	1.184	1.152	1.141	4.57
12)		2,2'-oxybis(1-Chl		0.870	0.905	0.847	0.861	0.830	0.863	3.27
13)	S	4-Methylphenol-d8		1.071	1.216	1.155	1.196	1.171	1.162	4.80
14)		Acetophenone		1.928	2.132	1.962	1.958	1.939	1.984	4.23
15)	P	N-Nitroso-di-n-pr	0.953	1.130	1.260	1.135	1.182		1.132	9.97
16)		4-Methylphenol		1.142	1.310	1.237	1.267	1.223	1.236	5.01
17)		Hexachloroethane	0.535	0.580	0.564	0.564	0.576		0.564	3.08
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.109	0.123	0.137	0.136	0.145		0.130	10.79
20)		Nitrobenzene	0.383	0.405	0.453	0.431	0.448		0.424	6.94
21)		Isophorone	0.647	0.731	0.803	0.727	0.758		0.733	7.81
22)	S	2-Nitrophenol-d4	0.114	0.128	0.154	0.155	0.167		0.144	15.04
23)	C	2-Nitrophenol	0.126	0.141	0.165	0.167	0.177		0.155	13.56
24)		2,4-Dimethylpheno	0.307	0.351	0.383	0.364	0.376		0.356	8.47
25)		Bis(2-Chloroethox	0.341	0.385	0.428	0.407	0.423		0.397	8.86
26)	S	2,4-Dichloropheno	0.253	0.283	0.331	0.316	0.333		0.303	11.40
27)	C	2,4-Dichloropheno	0.234	0.289	0.318	0.315	0.321		0.295	12.35
28)		Naphthalene	0.897	0.909	0.952	0.907	0.929		0.919	2.39
29)	S	4-Chloroaniline-d		0.262	0.339	0.325	0.327	0.314	0.313	9.58
30)		4-Chloroaniline		0.268	0.342	0.335	0.338	0.321	0.321	9.52
31)	C	Hexachlorobutadie	0.255	0.252	0.263	0.253	0.261		0.257	1.91
32)		Caprolactam		0.075	0.091	0.079	0.087	0.090	0.084	8.56
33)	C	4-Chloro-3-methyl	0.237	0.283	0.334	0.309	0.329		0.298	13.33
34)		2-Methylnaphthale	0.606	0.659	0.719	0.659	0.684		0.665	6.17
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.705	0.686	0.716	0.746	0.753		0.721	3.88
37)		Hexachlorocyclope		0.322	0.399	0.453	0.487	0.496	0.431	16.65
38)	C	2,4,6-Trichloroph	0.372	0.382	0.441	0.444	0.468		0.421	9.93
39)		2,4,5-Trichloroph	0.303	0.386	0.456	0.452	0.485		0.416	17.58
40)		1,1'-Biphenyl	1.326	1.375	1.456	1.487	1.514		1.432	5.50
41)		2-Chloronaphthale	1.097	1.072	1.151	1.172	1.208		1.140	4.84
42)		2-Nitroaniline	0.193	0.244	0.321	0.334	0.367		0.292	24.35
43)	S	Dimethylphthalate	1.356	1.413	1.520	1.420	1.486		1.439	4.49
44)		Dimethylphthalate	1.311	1.404	1.518	1.417	1.466		1.423	5.43
45)		2,6-Dinitrotoluen	0.159	0.226	0.277	0.274	0.307		0.248	23.33
46)	S	Acenaphthylene-d8	1.631	1.725	1.861	1.856	1.926		1.800	6.62
47)		Acenaphthylene	1.577	1.651	1.751	1.726	1.782		1.697	4.88
48)		3-Nitroaniline		0.156	0.214	0.220	0.227	0.227	0.209	14.37
49)	C	Acenaphthene	1.131	1.128	1.195	1.176	1.205		1.167	3.07
50)		2,4-Dinitrophenol		0.091	0.136	0.140	0.182	0.220	0.154	31.93
51)	S	4-Nitrophenol-d4		0.149	0.203	0.207	0.229	0.256	0.209	19.07

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.165	0.214	0.215	0.238	0.260	0.218	16.17
53)		Dibenzofuran	1.642	1.756	1.837	1.771	1.828		1.767	4.43
54)		2,4-Dinitrotoluen	0.257	0.361	0.437	0.404	0.443		0.380	20.09
55)		2,3,4,6-Tetrachlo	0.358	0.406	0.451	0.425	0.455		0.419	9.40
56)		Diethylphthalate	1.240	1.369	1.494	1.350	1.432		1.377	6.91
57)	S	Fluorene-d10	1.198	1.249	1.353	1.281	1.317		1.280	4.68
58)		Fluorene	1.298	1.398	1.489	1.408	1.484		1.416	5.50
59)		4-Chlorophenyl-ph	0.775	0.816	0.868	0.824	0.869		0.831	4.78
60)		4-Nitroaniline		0.165	0.245	0.217	0.253	0.256	0.227	16.79
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.080	0.111	0.115	0.127	0.138	0.114	19.29
63)		4,6-Dinitro-2-met		0.088	0.116	0.119	0.131	0.139	0.119	16.15
64)		N-Nitrosodiphenyl	0.424	0.477	0.515	0.526	0.533		0.495	9.14
65)		4-Bromophenyl-phe	0.197	0.207	0.228	0.226	0.232		0.218	6.87
66)		Hexachlorobenzene	0.253	0.247	0.258	0.260	0.260		0.256	2.15
67)		Atrazine		0.177	0.206	0.202	0.212	0.217	0.203	7.64
68)	C	Pentachlorophenol		0.118	0.149	0.150	0.160	0.167	0.149	12.56
69)		Phenanthrene	0.906	0.924	0.982	0.964	0.989		0.953	3.82
70)	S	Anthracene-d10	0.823	0.804	0.892	0.871	0.900		0.858	4.97
71)		Anthracene	0.876	0.946	1.015	0.989	1.021		0.969	6.19
72)		1,2,3,4-Tetrachlo	0.292	0.274	0.296	0.336	0.329		0.305	8.58
73)		Pentachlorobenzen	0.284	0.280	0.299	0.316	0.308		0.297	5.21
74)		Carbazole		0.744	0.836	0.807	0.837	0.890	0.823	6.46
75)		Di-n-butylphthala	0.716	0.837	0.987	0.923	1.003		0.893	13.27
76)	C	Fluoranthene		1.105	1.228	1.159	1.213	1.314	1.204	6.51
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.824	0.974	1.040	0.973	1.005		0.963	8.59
79)		Pyrene	1.051	1.209	1.281	1.218	1.242		1.200	7.31
80)		Butylbenzylphthal	0.272	0.343	0.419	0.405	0.443		0.376	18.37
81)		3,3'-Dichlorobenz		0.298	0.373	0.398	0.407	0.356	0.367	11.76
82)		Benzo(a)anthracen	1.099	1.176	1.259	1.216	1.268		1.204	5.73
83)		Bis(2-ethylhexyl)	0.426	0.488	0.585	0.579	0.653		0.546	16.36
84)		Chrysene	1.107	1.112	1.185	1.146	1.201		1.150	3.67
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		0.802	1.023	0.940	1.042	1.050	0.971	10.73
87)		Benzo(b)fluoranth	1.021	1.103	1.229	1.142	1.212		1.141	7.43
88)		Benzo(k)fluoranth	1.016	1.082	1.204	1.129	1.175		1.121	6.68
89)	S	Benzo(a)pyrene-d1	0.840	0.872	0.947	0.919	0.966		0.909	5.75
90)	C	Benzo(a)pyrene	0.995	1.017	1.113	1.091	1.155		1.074	6.25
91)		Indeno(1,2,3-cd)p	1.158	1.121	1.178	1.286	1.377		1.224	8.58
92)		Dibenzo(a,h)anthr	0.972	0.967	1.011	1.096	1.187		1.047	8.97
93)		Benzo(g,h,i)peryl	0.991	0.921	0.959	1.059	1.135		1.013	8.38

(#) = Out of Range