Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
Method File : SOM-EPA-BM010821MA.M
Title : SVOA CALIBRATION
Last Update : Fri Jan 08 14:03:26 2021
Response Via : Initial Calibration

Calibration Files
5 =BM028342.D 10 =BM028343.D 20 =BM028344.D
40 =BM028345.D 80 =BM028346.D 160 =BM028347.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.520	0.532	0.479	0.496	0.479		0.501	4.86
3)	S	1,4-Dioxane-d8	0.494	0.497	0.485	0.482	0.468		0.485	2.34
4)		Benzaldehyde		0.991	0.574	0.967	0.894	0.635	0.812	23.90
5)	S	Phenol-d5		1.717	1.670	1.806	1.807	1.775	1.755	3.41
6)		Phenol		1.749	1.676	1.789	1.803	1.771	1.758	2.82
7)	S	Bis-(2-Chloroethy		1.098	1.039	1.080	1.066	1.042	1.065	2.36
8)		Bis(2-Chloroethyl		1.430	1.366	1.427	1.410	1.382	1.403	2.01
9)	S	2-Chlorophenol-d4	1.441	1.450	1.418	1.500	1.515		1.465	2.79
10)		2-Chlorophenol	1.467	1.467	1.431	1.513	1.516		1.479	2.43
11)		2-Methylphenol		1.306	1.277	1.370	1.377	1.358	1.337	3.28
12)		2,2'-oxybis(1-Chl		2.413	2.285	2.403	2.329	2.250	2.336	3.06
13)	S	4-Methylphenol-d8		1.425	1.397	1.485	1.489	1.456	1.450	2.74
14)		Acetophenone		2.138	2.081	2.192	2.174	2.102	2.138	2.20
15)	P	N-Nitroso-di-n-pr	1.059	1.048	1.049	1.102	1.093		1.070	2.38
16)		4-Methylphenol		1.432	1.399	1.489	1.490	1.456	1.453	2.67
17)		Hexachloroethane	0.627	0.620	0.599	0.641	0.628		0.623	2.46
18)	I	Naphthalene-d8	----------ISTD----------							
19)	S	Nitrobenzene-d5	0.159	0.160	0.161	0.170	0.175		0.165	4.24
20)		Nitrobenzene	0.401	0.396	0.389	0.401	0.403		0.398	1.43
21)		Isophorone	0.676	0.673	0.678	0.705	0.715		0.690	2.81
22)	S	2-Nitrophenol-d4	0.160	0.163	0.169	0.184	0.193		0.174	8.18
23)	C	2-Nitrophenol	0.175	0.186	0.186	0.199	0.203		0.190	5.93
24)		2,4-Dimethylpheno	0.375	0.376	0.370	0.384	0.388		0.379	1.89
25)		Bis(2-Chloroethox	0.467	0.456	0.439	0.451	0.450		0.452	2.21
26)	S	2,4-Dichloropheno	0.318	0.327	0.324	0.340	0.347		0.331	3.59
27)	C	2,4-Dichloropheno	0.325	0.317	0.315	0.328	0.332		0.323	2.20
28)		Naphthalene	1.201	1.157	1.109	1.137	1.142		1.149	2.92
29)	S	4-Chloroaniline-d		0.402	0.414	0.450	0.425	0.355	0.409	8.58
30)		4-Chloroaniline		0.389	0.400	0.433	0.408	0.344	0.395	8.34
31)	C	Hexachlorobutadie	0.216	0.206	0.200	0.204	0.204		0.206	2.79
32)		Caprolactam		0.087	0.098	0.106	0.108	0.102	0.100	8.22
33)	C	4-Chloro-3-methyl	0.340	0.337	0.337	0.352	0.353		0.344	2.33
34)		2-Methylnaphthale	0.827	0.787	0.770	0.785	0.790		0.792	2.67
35)		1-Methylnaphthale	0.956	0.926	0.901	0.925	0.922		0.926	2.14
36)	I	Acenaphthene-d10	----------ISTD----------							
37)		1,2,4,5-Tetrachlo	0.686	0.669	0.626	0.645	0.650		0.655	3.51
38)		Hexachlorocyclope		0.323	0.337	0.374	0.400	0.424	0.372	11.38
39)	C	2,4,6-Trichloroph	0.390	0.402	0.403	0.429	0.437		0.412	4.83
40)		2,4,5-Trichloroph	0.435	0.445	0.440	0.462	0.472		0.451	3.50
41)		1,1'-Biphenyl	1.760	1.693	1.628	1.676	1.685		1.689	2.80
42)		2-Chloronaphthale	1.386	1.339	1.278	1.326	1.332		1.332	2.88
43)		2-Nitroaniline	0.343	0.363	0.374	0.403	0.412		0.379	7.58
44)	S	Dimethylphthalate	1.618	1.549	1.542	1.586	1.586		1.576	1.96
45)		Dimethylphthalate	1.664	1.603	1.578	1.601	1.599		1.609	2.01
46)		2,6-Dinitrotoluen	0.295	0.300	0.320	0.348	0.358		0.324	8.69
47)	S	Acenaphthylene-d8	1.953	1.969	1.950	2.034	2.054		1.992	2.45
48)		Acenaphthylene	2.007	1.986	1.955	2.031	2.042		2.004	1.74
49)		3-Nitroaniline		0.277	0.284	0.331	0.327	0.278	0.300	9.12
50)	C	Acenaphthene	1.467	1.428	1.384	1.434	1.431		1.429	2.06
51)		2,4-Dinitrophenol		0.139	0.168	0.197	0.217	0.221	0.188	18.58

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.278	0.290	0.314	0.318	0.304	0.301	5.58
53)		4-Nitrophenol		0.223	0.228	0.235	0.236	0.220	0.228	3.11
54)		Dibenzofuran	2.023	1.986	1.882	1.942	1.933		1.953	2.74
55)		2,4-Dinitrotoluen	0.422	0.443	0.463	0.492	0.498		0.464	6.90
56)		2,3,4,6-Tetrachlo	0.352	0.360	0.375	0.395	0.401		0.377	5.63
57)		Diethylphthalate	1.624	1.621	1.608	1.656	1.638		1.630	1.12
58)	S	Fluorene-d10	1.432	1.411	1.370	1.400	1.402		1.403	1.59
59)		Fluorene	1.694	1.634	1.607	1.643	1.633		1.642	1.95
60)		4-Chlorophenyl-ph	0.826	0.797	0.770	0.788	0.771		0.790	2.90
61)		4-Nitroaniline		0.311	0.263	0.346	0.339	0.294	0.311	10.85
62)	I	Phenanthrene-d10		----------ISTD----------						
63)	S	4,6-Dinitro-2-met		0.110	0.120	0.137	0.145	0.147	0.132	12.15
64)		4,6-Dinitro-2-met		0.119	0.128	0.144	0.152	0.150	0.139	10.53
65)		N-Nitrosodiphenyl	0.657	0.642	0.632	0.662	0.673		0.653	2.46
66)		4-Bromophenyl-phe	0.228	0.228	0.224	0.233	0.238		0.230	2.26
67)		Hexachlorobenzene	0.276	0.262	0.258	0.269	0.268		0.267	2.55
68)		Atrazine		0.218	0.218	0.233	0.236	0.224	0.226	3.55
69)	C	Pentachlorophenol		0.134	0.143	0.161	0.167	0.164	0.154	9.45
70)		Phenanthrene	1.256	1.246	1.190	1.233	1.228		1.231	2.07
71)	S	Anthracene-d10	1.032	1.024	0.989	1.019	1.025		1.018	1.65
72)		Anthracene	1.276	1.266	1.217	1.270	1.270		1.260	1.92
73)		1,2,3,4-Tetrachlo	0.319	0.314	0.294	0.313	0.319		0.312	3.35
74)		Pentachlorobenzen	0.327	0.305	0.293	0.304	0.310		0.308	4.11
75)		Carbazole		1.079	1.045	1.091	1.091	1.009	1.063	3.34
76)		Di-n-butylphthala	1.210	1.279	1.284	1.364	1.365		1.300	5.02
77)	C	Fluoranthene		1.407	1.342	1.377	1.322	1.165	1.323	7.10
78)	I	Chrysene-d12		----------ISTD----------						
79)	S	Pyrene-d10	1.178	1.119	1.116	1.193	1.308		1.183	6.59
80)		Pyrene	1.594	1.514	1.496	1.580	1.722		1.581	5.65
81)		Butylbenzylphthal	0.536	0.559	0.593	0.652	0.702		0.608	11.18
82)		3,3'-Dichlorobenz		0.391	0.368	0.444	0.433	0.374	0.402	8.59
83)		Benzo(a)anthracen	1.387	1.387	1.322	1.364	1.371		1.366	1.97
84)		Bis(2-ethylhexyl)	0.779	0.806	0.827	0.910	0.935		0.852	7.94
85)		Chrysene	1.378	1.361	1.297	1.308	1.319		1.332	2.62
86)	I	Perylene-d12		----------ISTD----------						
87)		Di-n-octyl phthal		1.411	1.576	1.694	1.674	1.488	1.568	7.70
88)		Benzo(b)fluoranth	1.479	1.435	1.413	1.432	1.381		1.428	2.51
89)		Benzo(k)fluoranth	1.401	1.352	1.411	1.365	1.385		1.383	1.77
90)	S	Benzo(a)pyrene-d1	1.114	1.107	1.128	1.126	1.144		1.124	1.29
91)	C	Benzo(a)pyrene	1.249	1.235	1.247	1.238	1.255		1.245	0.67
92)		Indeno(1,2,3-cd)p	1.296	1.285	1.289	1.297	1.422		1.318	4.43
93)		Dibenzo(a,h)anthr	1.095	1.084	1.078	1.099	1.198		1.111	4.43
94)		Benzo(g,h,i)peryl	1.062	1.060	1.066	1.089	1.209		1.097	5.79

(#) = Out of Range