Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
Method File : SOM-EPA-BM011520MA.M
Title : SVOA CALIBRATION
Last Update : Thu Jan 16 01:52:07 2020
Response Via : Initial Calibration

Calibration Files
5 =BM024478.D 10 =BM024479.D 20 =BM024480.D
40 =BM024481.D 80 =BM024482.D 160 =BM024483.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.481	0.411	0.428	0.414	0.391		0.425	8.06
3)	S	1,4-Dioxane-d8	0.408	0.406	0.418	0.421	0.393		0.409	2.63
4)		Benzaldehyde		0.964	0.594	0.984	0.767	0.622	0.786	23.38
5)	S	Phenol-d5		1.247	1.392	1.539	1.564	1.671	1.483	11.11
6)		Phenol		1.304	1.430	1.552	1.567	1.679	1.506	9.54
7)	S	Bis-(2-Chloroethy		0.788	0.820	0.851	0.819	0.840	0.823	2.91
8)		Bis(2-Chloroethyl		1.114	1.164	1.227	1.178	1.216	1.180	3.81
9)	S	2-Chlorophenol-d4	1.085	1.191	1.292	1.379	1.385		1.266	10.15
10)		2-Chlorophenol	1.138	1.175	1.282	1.358	1.382		1.267	8.55
11)		2-Methylphenol		1.077	1.183	1.268	1.286	1.359	1.235	8.76
12)		2,2'-oxybis(1-Chl		1.343	1.419	1.445	1.377	1.388	1.394	2.81
13)	S	4-Methylphenol-d8		1.195	1.336	1.417	1.415	1.472	1.367	7.89
14)		Acetophenone		2.039	2.096	2.221	2.154	2.217	2.146	3.68
15)	P	N-Nitroso-di-n-pr	0.916	0.989	1.044	1.075	1.048		1.014	6.21
16)		4-Methylphenol		1.222	1.320	1.425	1.425	1.483	1.375	7.54
17)		Hexachloroethane	0.533	0.545	0.572	0.602	0.577		0.565	4.82
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.125	0.130	0.142	0.150	0.156		0.141	9.34
20)		Nitrobenzene	0.309	0.332	0.347	0.354	0.359		0.340	5.89
21)		Isophorone	0.642	0.647	0.680	0.691	0.688		0.670	3.45
22)	S	2-Nitrophenol-d4	0.117	0.134	0.154	0.173	0.183		0.152	17.76
23)	C	2-Nitrophenol	0.134	0.151	0.170	0.184	0.193		0.166	14.61
24)		2,4-Dimethylpheno	0.329	0.347	0.367	0.378	0.385		0.361	6.31
25)		Bis(2-Chloroethox	0.359	0.377	0.391	0.402	0.396		0.385	4.54
26)	S	2,4-Dichloropheno	0.302	0.310	0.353	0.370	0.378		0.343	10.09
27)	C	2,4-Dichloropheno	0.294	0.313	0.340	0.350	0.365		0.332	8.64
28)		Naphthalene	0.987	1.005	1.033	1.040	1.058		1.025	2.77
29)	S	4-Chloroaniline-d		0.379	0.347	0.427	0.410	0.340	0.381	9.95
30)		4-Chloroaniline		0.378	0.344	0.414	0.401	0.336	0.374	9.17
31)	C	Hexachlorobutadie	0.266	0.256	0.266	0.268	0.266		0.265	1.76
32)		Caprolactam		0.092	0.102	0.101	0.103	0.103	0.100	4.68
33)	C	4-Chloro-3-methyl	0.297	0.331	0.358	0.369	0.373		0.345	9.25
34)		2-Methylnaphthale	0.756	0.779	0.802	0.815	0.823		0.795	3.48
35)		1-Methylnaphthale	0.775	0.792	0.812	0.821	0.831		0.806	2.82
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.613	0.626	0.657	0.686	0.707		0.658	5.98
38)		Hexachlorocyclope		0.405	0.445	0.484	0.517	0.528	0.476	10.71
39)	C	2,4,6-Trichloroph	0.335	0.375	0.411	0.438	0.454		0.403	11.90
40)		2,4,5-Trichloroph	0.372	0.394	0.436	0.469	0.483		0.431	11.06
41)		1,1'-Biphenyl	1.387	1.399	1.449	1.494	1.531		1.452	4.22
42)		2-Chloronaphthale	1.087	1.123	1.173	1.225	1.233		1.168	5.42
43)		2-Nitroaniline	0.200	0.239	0.277	0.305	0.317		0.268	18.13
44)	S	Dimethylphthalate	1.519	1.521	1.583	1.611	1.602		1.567	2.83
45)		Dimethylphthalate	1.540	1.582	1.598	1.619	1.627		1.593	2.17
46)		2,6-Dinitrotoluen	0.235	0.270	0.307	0.336	0.351		0.300	15.87
47)	S	Acenaphthylene-d8	1.651	1.733	1.817	1.889	1.928		1.803	6.29
48)		Acenaphthylene	1.719	1.789	1.841	1.916	1.946		1.842	5.03
49)		3-Nitroaniline		0.227	0.206	0.276	0.267	0.259	0.247	11.83
50)	C	Acenaphthene	1.187	1.215	1.239	1.280	1.314		1.247	4.05
51)		2,4-Dinitrophenol		0.111	0.130	0.168	0.196	0.213	0.164	26.40

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.218	0.250	0.275	0.287	0.279	0.262	10.75
53)		4-Nitrophenol		0.213	0.242	0.253	0.263	0.245	0.243	7.67
54)		Dibenzofuran	1.770	1.792	1.828	1.857	1.886		1.827	2.57
55)		2,4-Dinitrotoluen	0.367	0.413	0.460	0.488	0.513		0.448	13.10
56)		2,3,4,6-Tetrachlo	0.353	0.396	0.426	0.450	0.467		0.418	10.85
57)		Diethylphthalate	1.560	1.578	1.651	1.690	1.698		1.636	3.89
58)	S	Fluorene-d10	1.332	1.336	1.383	1.412	1.434		1.379	3.27
59)		Fluorene	1.450	1.495	1.535	1.595	1.647		1.544	5.06
60)		4-Chlorophenyl-ph	0.846	0.849	0.874	0.905	0.930		0.881	4.11
61)		4-Nitroaniline		0.267	0.243	0.332	0.316	0.316	0.295	12.90
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.083	0.099	0.118	0.132	0.139	0.114	20.51
64)		4,6-Dinitro-2-met		0.089	0.107	0.124	0.139	0.145	0.121	18.97
65)		N-Nitrosodiphenyl	0.509	0.541	0.559	0.575	0.593		0.555	5.77
66)		4-Bromophenyl-phe	0.221	0.227	0.235	0.246	0.256		0.237	6.04
67)		Hexachlorobenzene	0.264	0.265	0.271	0.278	0.283		0.272	3.00
68)		Atrazine		0.214	0.231	0.242	0.247	0.236	0.234	5.43
69)	C	Pentachlorophenol		0.131	0.152	0.167	0.178	0.182	0.162	12.85
70)		Phenanthrene	1.021	1.049	1.087	1.107	1.130		1.079	4.09
71)	S	Anthracene-d10	0.866	0.908	0.942	0.956	0.979		0.930	4.75
72)		Anthracene	1.042	1.070	1.093	1.133	1.161		1.100	4.34
73)		1,2,3,4-Tetrachlo	0.262	0.272	0.286	0.297	0.305		0.284	6.17
74)		Pentachlorobenzen	0.287	0.293	0.302	0.308	0.316		0.301	3.89
75)		Carbazole		0.873	0.918	0.943	0.961	0.932	0.925	3.63
76)		Di-n-butylphthala	0.990	1.107	1.196	1.255	1.269		1.163	9.97
77)	C	Fluoranthene		1.295	1.349	1.374	1.410	1.163	1.318	7.30
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.971	1.024	1.068	1.146	1.136		1.069	6.93
80)		Pyrene	1.271	1.317	1.373	1.452	1.433		1.369	5.55
81)		Butylbenzylphthal	0.349	0.423	0.498	0.556	0.578		0.481	19.78
82)		3,3'-Dichlorobenz		0.399	0.369	0.481	0.470	0.433	0.430	11.01
83)		Benzo(a)anthracen	1.286	1.327	1.377	1.395	1.426		1.362	4.09
84)		Bis(2-ethylhexyl)	0.600	0.698	0.794	0.846	0.868		0.761	14.63
85)		Chrysene	1.249	1.271	1.324	1.365	1.356		1.313	3.91
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.090	1.264	1.515	1.583	1.394	1.369	14.46
88)		Benzo(b)fluoranth	1.167	1.250	1.302	1.460	1.431		1.322	9.30
89)		Benzo(k)fluoranth	1.146	1.222	1.285	1.394	1.449		1.299	9.50
90)	S	Benzo(a)pyrene-d1	0.917	0.978	1.035	1.116	1.141		1.037	9.00
91)	C	Benzo(a)pyrene	1.022	1.091	1.143	1.233	1.255		1.149	8.46
92)		Indeno(1,2,3-cd)p	1.160	1.155	1.204	1.236	1.255		1.202	3.70
93)		Dibenzo(a,h)anthr	0.968	0.972	1.029	1.057	1.074		1.020	4.75
94)		Benzo(g,h,i)peryl	0.946	0.923	0.954	0.983	0.970		0.955	2.39

(#) = Out of Range