Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
Method File : SOM-EPA-BM031420MA.M
Title : SVOA CALIBRATION
Last Update : Mon Mar 16 04:27:51 2020
Response Via : Initial Calibration

Calibration Files
5 =BM025567.D 10 =BM025568.D 20 =BM025569.D
40 =BM025570.D 80 =BM025571.D 160 =BM025572.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.525	0.536	0.526	0.514	0.465		0.513	5.49
3)	S	1,4-Dioxane-d8	0.475	0.491	0.500	0.479	0.439		0.477	4.90
4)		Benzaldehyde		0.998	0.619	1.040	0.893	0.630	0.836	23.94
5)	S	Phenol-d5		1.425	1.590	1.577	1.575	1.725	1.578	6.75
6)		Phenol		1.518	1.662	1.639	1.646	1.777	1.648	5.57
7)	S	Bis-(2-Chloroethy		0.856	0.925	0.908	0.883	0.933	0.901	3.53
8)		Bis(2-Chloroethyl		1.249	1.347	1.311	1.268	1.352	1.305	3.53
9)	S	2-Chlorophenol-d4	1.199	1.221	1.331	1.329	1.325		1.281	5.12
10)		2-Chlorophenol	1.291	1.311	1.392	1.381	1.367		1.349	3.33
11)		2-Methylphenol		1.124	1.269	1.275	1.262	1.377	1.261	7.15
12)		2,2'-oxybis(1-Chl		1.685	1.812	1.746	1.684	1.782	1.742	3.29
13)	S	4-Methylphenol-d8		1.169	1.312	1.308	1.291	1.405	1.297	6.48
14)		Acetophenone		1.866	2.075	2.009	1.969	2.084	2.001	4.45
15)	P	N-Nitroso-di-n-pr	0.936	0.966	1.067	1.033	1.010		1.002	5.20
16)		4-Methylphenol		1.242	1.404	1.390	1.376	1.473	1.377	6.11
17)		Hexachloroethane	0.540	0.548	0.587	0.569	0.560		0.561	3.28
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.136	0.138	0.156	0.157	0.156		0.149	7.28
20)		Nitrobenzene	0.340	0.348	0.382	0.376	0.366		0.362	5.01
21)		Isophorone	0.598	0.636	0.720	0.701	0.689		0.669	7.55
22)	S	2-Nitrophenol-d4	0.130	0.142	0.167	0.174	0.176		0.158	13.05
23)	C	2-Nitrophenol	0.157	0.162	0.190	0.189	0.189		0.177	9.27
24)		2,4-Dimethylpheno	0.336	0.338	0.382	0.376	0.367		0.360	5.95
25)		Bis(2-Chloroethox	0.416	0.404	0.458	0.440	0.425		0.429	4.92
26)	S	2,4-Dichloropheno	0.293	0.301	0.341	0.343	0.338		0.323	7.40
27)	C	2,4-Dichloropheno	0.304	0.293	0.340	0.335	0.331		0.321	6.41
28)		Naphthalene	1.082	1.047	1.142	1.103	1.073		1.089	3.27
29)	S	4-Chloroaniline-d		0.353	0.377	0.415	0.386	0.345	0.375	7.48
30)		4-Chloroaniline		0.360	0.387	0.422	0.389	0.346	0.381	7.68
31)	C	Hexachlorobutadie	0.216	0.199	0.216	0.212	0.205		0.209	3.63
32)		Caprolactam		0.092	0.108	0.108	0.107	0.114	0.106	7.75
33)	C	4-Chloro-3-methyl	0.290	0.316	0.359	0.354	0.347		0.333	8.82
34)		2-Methylnaphthale	0.758	0.749	0.815	0.795	0.774		0.778	3.48
35)		1-Methylnaphthale	0.757	0.744	0.826	0.787	0.766		0.776	4.12
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.638	0.604	0.664	0.635	0.622		0.633	3.52
38)		Hexachlorocyclope		0.359	0.428	0.436	0.442	0.494	0.432	11.18
39)	C	2,4,6-Trichloroph	0.371	0.372	0.428	0.423	0.417		0.402	7.06
40)		2,4,5-Trichloroph	0.395	0.418	0.470	0.458	0.448		0.438	7.04
41)		1,1'-Biphenyl	1.599	1.549	1.659	1.622	1.561		1.598	2.80
42)		2-Chloronaphthale	1.259	1.204	1.311	1.283	1.236		1.259	3.29
43)		2-Nitroaniline	0.266	0.286	0.336	0.341	0.344		0.315	11.44
44)	S	Dimethylphthalate	1.504	1.491	1.600	1.524	1.482		1.520	3.11
45)		Dimethylphthalate	1.558	1.561	1.666	1.592	1.534		1.582	3.21
46)		2,6-Dinitrotoluen	0.262	0.284	0.331	0.341	0.337		0.311	11.49
47)	S	Acenaphthylene-d8	1.687	1.737	1.940	1.901	1.841		1.821	5.89
48)		Acenaphthylene	1.878	1.887	2.094	2.043	1.960		1.972	4.82
49)		3-Nitroaniline		0.256	0.264	0.314	0.291	0.278	0.281	8.09
50)	C	Acenaphthene	1.319	1.296	1.403	1.366	1.319		1.341	3.22
51)		2,4-Dinitrophenol		0.133	0.171	0.190	0.205	0.234	0.187	20.33

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.251	0.293	0.296	0.294	0.313	0.289	7.92
53)		4-Nitrophenol		0.212	0.237	0.229	0.223	0.230	0.226	4.04
54)		Dibenzofuran	1.919	1.858	1.997	1.901	1.835		1.902	3.30
55)		2,4-Dinitrotoluen	0.378	0.426	0.499	0.491	0.481		0.455	11.34
56)		2,3,4,6-Tetrachlo	0.365	0.370	0.421	0.415	0.412		0.397	6.78
57)		Diethylphthalate	1.590	1.593	1.720	1.630	1.576		1.622	3.61
58)	S	Fluorene-d10	1.304	1.303	1.406	1.354	1.304		1.334	3.44
59)		Fluorene	1.586	1.549	1.681	1.617	1.567		1.600	3.24
60)		4-Chlorophenyl-ph	0.819	0.804	0.864	0.815	0.792		0.819	3.36
61)		4-Nitroaniline		0.321	0.301	0.367	0.343	0.339	0.334	7.47
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.093	0.115	0.128	0.129	0.145	0.122	16.02
64)		4,6-Dinitro-2-met		0.105	0.129	0.140	0.139	0.155	0.133	13.84
65)		N-Nitrosodiphenyl	0.593	0.587	0.654	0.641	0.615		0.618	4.73
66)		4-Bromophenyl-phe	0.243	0.231	0.256	0.255	0.248		0.247	4.07
67)		Hexachlorobenzene	0.301	0.290	0.314	0.310	0.298		0.303	3.24
68)		Atrazine		0.209	0.239	0.239	0.233	0.246	0.233	6.06
69)	C	Pentachlorophenol		0.150	0.173	0.181	0.181	0.199	0.177	9.99
70)		Phenanthrene	1.166	1.136	1.229	1.203	1.153		1.177	3.25
71)	S	Anthracene-d10	0.899	0.888	0.983	0.968	0.932		0.934	4.44
72)		Anthracene	1.167	1.144	1.257	1.245	1.185		1.200	4.13
73)		1,2,3,4-Tetrachlo	0.308	0.280	0.320	0.317	0.308		0.306	5.23
74)		Pentachlorobenzen	0.335	0.327	0.354	0.352	0.338		0.341	3.48
75)		Carbazole		0.980	1.087	1.067	1.027	1.081	1.048	4.26
76)		Di-n-butylphthala	1.099	1.137	1.308	1.303	1.274		1.224	8.07
77)	C	Fluoranthene		1.327	1.436	1.405	1.359	1.412	1.388	3.16
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.904	0.889	1.013	1.017	0.980		0.961	6.27
80)		Pyrene	1.312	1.259	1.408	1.397	1.339		1.343	4.58
81)		Butylbenzylphthal	0.428	0.450	0.552	0.563	0.565		0.512	13.01
82)		3,3'-Dichlorobenz		0.405	0.401	0.514	0.486	0.465	0.454	10.94
83)		Benzo(a)anthracen	1.272	1.271	1.378	1.365	1.307		1.319	3.85
84)		Bis(2-ethylhexyl)	0.671	0.720	0.848	0.871	0.857		0.794	11.50
85)		Chrysene	1.286	1.249	1.346	1.330	1.257		1.294	3.34
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		0.996	1.207	1.252	1.245	1.292	1.198	9.75
88)		Benzo(b)fluoranth	1.200	1.173	1.290	1.305	1.272		1.248	4.65
89)		Benzo(k)fluoranth	1.189	1.168	1.305	1.273	1.212		1.229	4.68
90)	S	Benzo(a)pyrene-d1	0.956	0.962	1.078	1.077	1.047		1.024	5.90
91)	C	Benzo(a)pyrene	1.070	1.079	1.199	1.188	1.143		1.136	5.26
92)		Indeno(1,2,3-cd)p	1.435	1.422	1.580	1.556	1.505		1.500	4.72
93)		Dibenzo(a,h)anthr	1.218	1.202	1.339	1.313	1.276		1.270	4.65
94)		Benzo(g,h,i)peryl	1.188	1.171	1.306	1.276	1.239		1.236	4.62

(#) = Out of Range