Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM-EPA-BM100317.M
Title : SVOA CALIBRATION
Last Update : Wed Oct 04 05:30:09 2017
Response Via : Initial Calibration

Calibration Files
5 =BM011846.D 10 =BM011847.D 20 =BM011870.D
40 =BM011849.D 80 =BM011850.D 160 =BM011851.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.426	0.432	0.460	0.416	0.415		0.430	4.20
3)	S	1,4-Dioxane-d8	0.423	0.432	0.447	0.409	0.402		0.423	4.27
4)		Benzaldehyde		0.998	0.961	0.924	0.690	0.714	0.857	16.83
5)	S	Phenol-d5		1.472	1.726	1.736	1.808	1.861	1.721	8.70
6)		Phenol		1.512	1.720	1.692	1.776	1.813	1.703	6.84
7)	S	Bis-(2-Chloroethy		0.972	1.065	1.025	1.020	1.011	1.018	3.28
8)		Bis(2-Chloroethyl		1.196	1.339	1.285	1.288	1.284	1.279	4.02
9)	S	2-Chlorophenol-d4	1.203	1.302	1.464	1.425	1.508		1.380	9.08
10)		2-Chlorophenol	1.220	1.257	1.420	1.390	1.458		1.349	7.74
11)		2-Methylphenol		1.127	1.314	1.299	1.359	1.376	1.295	7.66
12)		2,2'-oxybis(1-Chl		1.618	1.737	1.637	1.616	1.567	1.635	3.82
13)	S	4-Methylphenol-d8		1.306	1.516	1.486	1.546	1.584	1.487	7.26
14)		Acetophenone		1.994	2.270	2.157	2.221	2.241	2.177	5.08
15)	P	N-Nitroso-di-n-pr	0.988	1.049	1.210	1.148	1.175		1.114	8.32
16)		4-Methylphenol		1.278	1.489	1.465	1.497	1.518	1.450	6.74
17)		Hexachloroethane	0.504	0.522	0.570	0.550	0.560		0.541	5.04
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.119	0.130	0.152	0.151	0.160		0.142	12.00
20)		Nitrobenzene	0.287	0.324	0.374	0.364	0.371		0.344	10.95
21)		Isophorone	0.545	0.609	0.687	0.671	0.697		0.642	9.99
22)	S	2-Nitrophenol-d4	0.126	0.140	0.170	0.175	0.191		0.160	16.50
23)	C	2-Nitrophenol	0.128	0.156	0.181	0.184	0.193		0.169	15.64
24)		2,4-Dimethylpheno	0.330	0.348	0.378	0.369	0.384		0.362	6.20
25)		Bis(2-Chloroethox	0.345	0.388	0.420	0.405	0.412		0.394	7.58
26)	S	2,4-Dichloropheno	0.261	0.304	0.347	0.343	0.367		0.324	13.03
27)	C	2,4-Dichloropheno	0.262	0.300	0.331	0.327	0.344		0.313	10.40
28)		Naphthalene	0.981	0.987	1.036	0.998	1.013		1.003	2.19
29)	S	4-Chloroaniline-d		0.300	0.427	0.407	0.369	0.266	0.354	19.54
30)		4-Chloroaniline		0.301	0.418	0.393	0.360	0.264	0.347	18.37
31)	C	Hexachlorobutadie	0.218	0.224	0.241	0.230	0.235		0.230	3.83
32)		Caprolactam		0.081	0.102	0.105	0.112	0.113	0.103	12.81
33)	C	4-Chloro-3-methyl	0.288	0.320	0.361	0.359	0.372		0.340	10.41
34)		2-Methylnaphthale	0.697	0.749	0.802	0.779	0.799		0.765	5.71
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.634	0.646	0.708	0.684	0.720		0.678	5.54
37)		Hexachlorocyclope		0.327	0.387	0.388	0.429	0.443	0.395	11.42
38)	C	2,4,6-Trichloroph	0.351	0.393	0.461	0.459	0.491		0.431	13.31
39)		2,4,5-Trichloroph	0.365	0.417	0.480	0.485	0.521		0.454	13.72
40)		1,1'-Biphenyl	1.530	1.557	1.667	1.598	1.643		1.599	3.56
41)		2-Chloronaphthale	1.175	1.218	1.305	1.262	1.296		1.251	4.36
42)		2-Nitroaniline	0.234	0.260	0.353	0.356	0.386		0.318	21.00
43)	S	Dimethylphthalate	1.588	1.666	1.833	1.767	1.813		1.733	5.99
44)		Dimethylphthalate	1.560	1.610	1.753	1.688	1.727		1.668	4.84
45)		2,6-Dinitrotoluen	0.227	0.272	0.346	0.350	0.378		0.314	19.92
46)	S	Acenaphthylene-d8	1.759	1.946	2.178	2.120	2.182		2.037	8.97
47)		Acenaphthylene	1.781	1.888	2.107	2.028	2.072		1.975	6.93
48)		3-Nitroaniline		0.199	0.302	0.314	0.324	0.322	0.292	18.11
49)	C	Acenaphthene	1.304	1.330	1.428	1.371	1.400		1.367	3.67
50)		2,4-Dinitrophenol		0.123	0.182	0.206	0.250	0.277	0.208	29.03
51)	S	4-Nitrophenol-d4		0.218	0.294	0.315	0.337	0.349	0.303	17.08

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.172	0.241	0.253	0.269	0.274	0.242	16.96
53)		Dibenzofuran	1.878	1.925	2.080	2.005	2.030		1.984	4.10
54)		2,4-Dinitrotoluen	0.338	0.408	0.503	0.522	0.553		0.465	19.15
55)		2,3,4,6-Tetrachlo	0.368	0.403	0.471	0.469	0.504		0.443	12.57
56)		Diethylphthalate	1.550	1.598	1.792	1.739	1.784		1.693	6.60
57)	S	Fluorene-d10	1.459	1.465	1.584	1.547	1.595		1.530	4.22
58)		Fluorene	1.559	1.587	1.732	1.678	1.726		1.656	4.82
59)		4-Chlorophenyl-ph	0.824	0.833	0.909	0.882	0.932		0.876	5.38
60)		4-Nitroaniline		0.241	0.314	0.348	0.386	0.412	0.340	19.64
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.098	0.127	0.134	0.151	0.161	0.135	18.02
63)		4,6-Dinitro-2-met		0.102	0.132	0.139	0.153	0.161	0.137	16.55
64)		N-Nitrosodiphenyl	0.517	0.560	0.613	0.593	0.606		0.578	6.83
65)		4-Bromophenyl-phe	0.204	0.215	0.232	0.229	0.241		0.224	6.44
66)		Hexachlorobenzene	0.236	0.246	0.259	0.251	0.260		0.250	3.94
67)		Atrazine		0.211	0.236	0.234	0.238	0.224	0.229	4.86
68)	C	Pentachlorophenol		0.126	0.151	0.160	0.171	0.179	0.158	13.01
69)		Phenanthrene	1.050	1.064	1.141	1.123	1.124		1.100	3.68
70)	S	Anthracene-d10	0.899	0.934	1.032	1.024	1.037		0.986	6.50
71)		Anthracene	1.013	1.074	1.183	1.161	1.166		1.119	6.51
72)		Carbazole		0.878	0.981	1.003	1.013	0.973	0.970	5.53
73)		Di-n-butylphthala	0.973	1.090	1.245	1.240	1.262		1.162	10.90
74)	C	Fluoranthene		1.306	1.413	1.440	1.431	1.121	1.342	10.04
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.796	0.844	1.008	0.915	0.947		0.902	9.26
77)		Pyrene	0.997	1.063	1.247	1.109	1.130		1.109	8.33
78)		Butylbenzylphthal	0.342	0.393	0.490	0.463	0.484		0.434	14.88
79)		3,3'-Dichlorobenz		0.305	0.390	0.381	0.385	0.401	0.372	10.34
80)		Benzo(a)anthracen	1.037	1.097	1.246	1.167	1.182		1.146	7.06
81)		Bis(2-ethylhexyl)	0.525	0.593	0.716	0.691	0.707		0.646	12.95
82)		Chrysene	1.022	1.067	1.184	1.078	1.092		1.089	5.45
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.071	1.303	1.219	1.270	0.980	1.168	11.81
85)		Benzo(b)fluoranth	1.029	1.178	1.315	1.220	1.337		1.216	10.15
86)		Benzo(k)fluoranth	1.135	1.149	1.296	1.262	1.226		1.214	5.75
87)	S	Benzo(a)pyrene-d1	0.862	0.906	1.017	0.992	1.033		0.962	7.76
88)	C	Benzo(a)pyrene	1.024	1.112	1.237	1.212	1.256		1.168	8.36
89)		Indeno(1,2,3-cd)p	1.160	1.198	1.236	1.320	1.336		1.250	6.10
90)		Dibenzo(a,h)anthr	0.940	0.952	1.018	1.100	1.126		1.027	8.23
91)		Benzo(g,h,i)peryl	1.003	0.990	1.015	1.088	1.075		1.034	4.28

(#) = Out of Range