Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM-EPA-BM052717.M
Title : SVOA CALIBRATION
Last Update : Tue May 30 15:28:56 2017
Response Via : Initial Calibration

Calibration Files
5 =BM010269.D 10 =BM010270.D 20 =BM010271.D
40 =BM010272.D 80 =BM010273.D 160 =BM010274.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.495	0.503	0.491	0.562	0.547		0.520	6.29
3)	S	1,4-Dioxane-d8	0.458	0.488	0.483	0.495	0.514		0.487	4.11
4)		Benzaldehyde		0.970	1.064	1.096	1.060	0.907	1.019	7.69
5)	S	Phenol-d5		1.335	1.444	1.538	1.597	1.664	1.516	8.52
6)		Phenol		1.377	1.475	1.580	1.626	1.712	1.554	8.41
7)	S	Bis-(2-Chloroethy		0.779	0.822	0.856	0.885	0.917	0.852	6.32
8)		Bis(2-Chloroethyl		0.973	1.026	1.089	1.137	1.165	1.078	7.31
9)	S	2-Chlorophenol-d4	1.115	1.114	1.194	1.271	1.346		1.208	8.35
10)		2-Chlorophenol	1.136	1.113	1.206	1.268	1.338		1.212	7.69
11)		2-Methylphenol		0.986	1.079	1.131	1.208	1.268	1.134	9.71
12)		2,2'-oxybis(1-Chl		0.441	0.472	0.490	0.511	0.518	0.486	6.42
13)	S	4-Methylphenol-d8		1.100	1.163	1.232	1.279	1.340	1.223	7.72
14)		Acetophenone		1.712	1.891	1.941	2.105	2.328	1.995	11.67
15)	P	N-Nitroso-di-n-pr	0.921	0.882	1.004	1.045	1.134		0.997	10.05
16)		4-Methylphenol		1.101	1.170	1.247	1.307	1.394	1.244	9.20
17)		Hexachloroethane	0.520	0.517	0.530	0.579	0.606		0.550	7.27
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.140	0.129	0.147	0.156	0.161		0.147	8.75
20)		Nitrobenzene	0.387	0.382	0.415	0.447	0.460		0.418	8.37
21)		Isophorone	0.591	0.580	0.636	0.689	0.724		0.644	9.61
22)	S	2-Nitrophenol-d4	0.146	0.152	0.168	0.187	0.195		0.170	12.47
23)	C	2-Nitrophenol	0.158	0.167	0.177	0.197	0.200		0.180	10.28
24)		2,4-Dimethylpheno	0.406	0.399	0.410	0.429	0.448		0.418	4.73
25)		Bis(2-Chloroethox	0.335	0.346	0.360	0.380	0.388		0.362	6.14
26)	S	2,4-Dichloropheno	0.328	0.326	0.337	0.371	0.381		0.349	7.34
27)	C	2,4-Dichloropheno	0.304	0.323	0.345	0.364	0.372		0.342	8.25
28)		Naphthalene	0.969	0.966	0.995	1.033	1.053		1.003	3.83
29)	S	4-Chloroaniline-d		0.269	0.309	0.372	0.370	0.363	0.336	13.67
30)		4-Chloroaniline		0.260	0.306	0.352	0.351	0.353	0.325	12.66
31)	C	Hexachlorobutadie	0.316	0.310	0.306	0.317	0.316		0.313	1.48
32)		Caprolactam		0.074	0.074	0.091	0.093	0.095	0.085	12.17
33)	C	4-Chloro-3-methyl	0.296	0.304	0.317	0.358	0.369		0.329	10.04
34)		2-Methylnaphthale	0.706	0.718	0.760	0.802	0.818		0.761	6.51
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.795	0.800	0.836	0.866	0.863		0.832	4.04
37)		Hexachlorocyclope		0.496	0.537	0.568	0.582	0.606	0.558	7.62
38)	C	2,4,6-Trichloroph	0.434	0.429	0.466	0.513	0.523		0.473	9.18
39)		2,4,5-Trichloroph	0.431	0.448	0.479	0.507	0.519		0.477	7.86
40)		1,1'-Biphenyl	1.482	1.537	1.639	1.724	1.730		1.622	6.83
41)		2-Chloronaphthale	1.208	1.225	1.255	1.325	1.359		1.275	5.11
42)		2-Nitroaniline	0.252	0.285	0.323	0.365	0.398		0.325	18.07
43)	S	Dimethylphthalate	1.568	1.575	1.604	1.772	1.790		1.662	6.60
44)		Dimethylphthalate	1.611	1.547	1.559	1.721	1.734		1.634	5.41
45)		2,6-Dinitrotoluen	0.257	0.264	0.295	0.333	0.349		0.300	13.74
46)	S	Acenaphthylene-d8	1.746	1.808	1.927	2.088	2.123		1.939	8.58
47)		Acenaphthylene	1.646	1.830	1.881	2.038	2.077		1.894	9.15
48)		3-Nitroaniline		0.228	0.264	0.308	0.319	0.324	0.289	14.33
49)	C	Acenaphthene	1.230	1.279	1.299	1.416	1.419		1.329	6.40
50)		2,4-Dinitrophenol		0.183	0.188	0.235	0.250	0.275	0.226	17.69
51)	S	4-Nitrophenol-d4		0.188	0.212	0.259	0.272	0.313	0.249	20.00

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.247	0.281	0.355	0.373	0.449	0.341	23.38
53)		Dibenzofuran	1.849	1.872	1.911	2.081	2.110		1.965	6.21
54)		2,4-Dinitrotoluen	0.369	0.397	0.424	0.491	0.520		0.440	14.45
55)		2,3,4,6-Tetrachlo	0.418	0.422	0.438	0.494	0.519		0.458	9.90
56)		Diethylphthalate	1.506	1.481	1.498	1.686	1.732		1.581	7.51
57)	S	Fluorene-d10	1.392	1.403	1.413	1.529	1.567		1.461	5.56
58)		Fluorene	1.513	1.512	1.544	1.714	1.773		1.611	7.64
59)		4-Chlorophenyl-ph	0.866	0.878	0.894	0.967	1.000		0.921	6.44
60)		4-Nitroaniline		0.241	0.246	0.312	0.343	0.368	0.302	18.92
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.111	0.123	0.144	0.156	0.175	0.142	18.20
63)		4,6-Dinitro-2-met		0.120	0.133	0.153	0.162	0.182	0.150	16.19
64)		N-Nitrosodiphenyl	0.560	0.535	0.582	0.609	0.629		0.583	6.50
65)		4-Bromophenyl-phe	0.233	0.226	0.249	0.257	0.266		0.246	6.63
66)		Hexachlorobenzene	0.253	0.239	0.257	0.267	0.273		0.258	5.03
67)		Atrazine		0.223	0.228	0.257	0.269	0.290	0.253	11.15
68)	C	Pentachlorophenol		0.130	0.146	0.169	0.180	0.196	0.164	15.98
69)		Phenanthrene	1.016	1.012	1.058	1.107	1.144		1.068	5.38
70)	S	Anthracene-d10	0.919	0.911	0.954	1.026	1.056		0.973	6.68
71)		Anthracene	1.050	1.044	1.082	1.177	1.221		1.115	7.13
72)		Carbazole		0.859	0.881	0.979	1.016	0.983	0.943	7.34
73)		Di-n-butylphthala	0.924	0.956	1.023	1.178	1.243		1.065	13.10
74)	C	Fluoranthene		1.263	1.269	1.437	1.476	1.119	1.313	11.03
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.766	0.779	0.829	0.868	0.894		0.827	6.69
77)		Pyrene	0.956	0.959	1.041	1.084	1.113		1.031	6.95
78)		Butylbenzylphthal	0.304	0.316	0.343	0.394	0.424		0.356	14.48
79)		3,3'-Dichlorobenz		0.358	0.381	0.420	0.426	0.377	0.393	7.48
80)		Benzo(a)anthracen	1.106	1.083	1.102	1.164	1.185		1.128	3.90
81)		Bis(2-ethylhexyl)	0.457	0.464	0.504	0.585	0.640		0.530	15.03
82)		Chrysene	0.993	0.980	1.002	1.054	1.070		1.020	3.91
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.802	0.915	1.033	1.092	0.761	0.921	15.51
85)		Benzo(b)fluoranth	1.109	1.114	1.139	1.198	1.258		1.164	5.47
86)		Benzo(k)fluoranth	1.014	1.039	1.097	1.188	1.221		1.112	8.16
87)	S	Benzo(a)pyrene-d1	0.873	0.865	0.920	0.981	1.017		0.931	7.15
88)	C	Benzo(a)pyrene	1.086	1.090	1.130	1.212	1.250		1.154	6.42
89)		Indeno(1,2,3-cd)p	1.384	1.363	1.429	1.523	1.589		1.457	6.58
90)		Dibenzo(a,h)anthr	1.197	1.167	1.222	1.316	1.375		1.255	6.94
91)		Benzo(g,h,i)peryl	1.168	1.129	1.180	1.250	1.276		1.201	5.05

(#) = Out of Range