Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM072616.M
Title : SVOA CALIBRATION
Last Update : Tue Jul 26 15:24:14 2016
Response Via : Initial Calibration

Calibration Files
5 =BM006646.D 10 =BM006647.D 20 =BM006648.D
40 =BM006649.D 80 =BM006650.D 160 =BM006651.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.558	0.550	0.519	0.510	0.509		0.529	4.35
3)	S	1,4-Dioxane-d8	0.556	0.522	0.489	0.507	0.500		0.515	5.03
4)		Benzaldehyde		1.137	1.173	1.119	1.139	1.046	1.123	4.19
5)	S	Phenol-d5		1.721	1.813	1.758	1.810	1.690	1.758	3.07
6)		Phenol		1.904	1.898	1.849	1.899	1.739	1.858	3.79
7)	S	Bis-(2-Chloroethy		1.091	1.111	1.083	1.090	1.023	1.080	3.08
8)		Bis(2-Chloroethyl		1.427	1.448	1.403	1.420	1.322	1.404	3.47
9)	S	2-Chlorophenol-d4	1.365	1.361	1.407	1.359	1.402		1.379	1.72
10)		2-Chlorophenol	1.367	1.406	1.445	1.401	1.433		1.410	2.14
11)		2-Methylphenol		1.380	1.441	1.372	1.437	1.327	1.392	3.45
12)		2,2'-oxybis(1-Chl		2.060	2.103	2.025	2.064	1.935	2.037	3.13
13)	S	4-Methylphenol-d8		1.358	1.415	1.375	1.430	1.316	1.379	3.31
14)		Acetophenone		2.249	2.252	2.196	2.167	1.876	2.148	7.29
15)	P	N-Nitroso-di-n-pr	1.168	1.168	1.235	1.146	1.156		1.175	2.96
16)		4-Methylphenol		1.476	1.544	1.490	1.528	1.358	1.479	4.95
17)		Hexachloroethane	0.610	0.597	0.601	0.587	0.595		0.598	1.41
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.144	0.158	0.158	0.155	0.157		0.154	3.68
20)		Nitrobenzene	0.389	0.394	0.403	0.395	0.394		0.395	1.35
21)		Isophorone	0.747	0.741	0.753	0.736	0.734		0.742	1.05
22)	S	2-Nitrophenol-d4	0.153	0.165	0.169	0.172	0.175		0.167	5.01
23)	C	2-Nitrophenol	0.173	0.179	0.184	0.188	0.190		0.183	3.75
24)		2,4-Dimethylpheno	0.386	0.391	0.396	0.386	0.387		0.389	1.12
25)		Bis(2-Chloroethox	0.448	0.467	0.468	0.453	0.447		0.457	2.25
26)	S	2,4-Dichloropheno	0.298	0.303	0.311	0.309	0.308		0.306	1.73
27)	C	2,4-Dichloropheno	0.299	0.300	0.312	0.303	0.303		0.303	1.62
28)		Naphthalene	1.010	1.014	1.015	0.987	0.972		1.000	1.91
29)	S	4-Chloroaniline-d		0.282	0.305	0.322	0.345	0.300	0.311	7.76
30)		4-Chloroaniline		0.302	0.315	0.330	0.354	0.301	0.320	6.90
31)	C	Hexachlorobutadie	0.199	0.190	0.191	0.189	0.187		0.191	2.51
32)		Caprolactam		0.107	0.114	0.109	0.115	0.108	0.111	3.16
33)	C	4-Chloro-3-methyl	0.337	0.350	0.368	0.358	0.360		0.355	3.28
34)		2-Methylnaphthale	0.732	0.744	0.757	0.729	0.712		0.735	2.27
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.640	0.645	0.654	0.651	0.625		0.643	1.81
37)		Hexachlorocyclope		0.193	0.242	0.283	0.322	0.339	0.276	21.68
38)	C	2,4,6-Trichloroph	0.418	0.417	0.446	0.440	0.432		0.431	3.02
39)		2,4,5-Trichloroph	0.436	0.430	0.458	0.448	0.458		0.446	2.82
40)		1,1'-Biphenyl	1.657	1.635	1.676	1.620	1.552		1.628	2.91
41)		2-Chloronaphthale	1.280	1.259	1.295	1.253	1.225		1.262	2.13
42)		2-Nitroaniline	0.411	0.429	0.458	0.452	0.460		0.442	4.84
43)	S	Dimethylphthalate	1.628	1.592	1.637	1.578	1.544		1.596	2.39
44)		Dimethylphthalate	1.641	1.598	1.638	1.576	1.530		1.597	2.90
45)		2,6-Dinitrotoluen	0.310	0.321	0.346	0.341	0.343		0.332	4.71
46)	S	Acenaphthylene-d8	2.017	1.999	2.064	2.015	1.938		2.007	2.25
47)		Acenaphthylene	2.127	2.107	2.146	2.085	1.981		2.089	3.09
48)		3-Nitroaniline		0.293	0.313	0.306	0.312	0.274	0.299	5.45
49)	C	Acenaphthene	1.350	1.355	1.366	1.323	1.263		1.332	3.10
50)		2,4-Dinitrophenol		0.103	0.140	0.171	0.200	0.209	0.165	26.66
51)	S	4-Nitrophenol-d4		0.258	0.273	0.280	0.289	0.273	0.275	4.14

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.228	0.250	0.254	0.259	0.252	0.249	4.79
53)		Dibenzofuran	1.977	1.947	1.946	1.864	1.749		1.897	4.87
54)		2,4-Dinitrotoluen	0.431	0.461	0.493	0.486	0.466		0.467	5.26
55)		2,3,4,6-Tetrachlo	0.349	0.364	0.390	0.386	0.386		0.375	4.71
56)		Diethylphthalate	1.772	1.700	1.725	1.659	1.587		1.689	4.15
57)	S	Fluorene-d10	1.431	1.405	1.427	1.359	1.299		1.384	4.01
58)		Fluorene	1.636	1.578	1.602	1.491	1.359		1.533	7.24
59)		4-Chlorophenyl-ph	0.791	0.767	0.788	0.735	0.653		0.747	7.61
60)		4-Nitroaniline		0.338	0.400	0.403	0.381	0.365	0.377	7.17
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.090	0.103	0.114	0.121	0.118	0.109	11.60
63)		4,6-Dinitro-2-met		0.097	0.115	0.123	0.129	0.123	0.117	10.51
64)		N-Nitrosodiphenyl	0.610	0.614	0.612	0.591	0.567		0.599	3.36
65)		4-Bromophenyl-phe	0.213	0.215	0.219	0.214	0.206		0.213	2.37
66)		Hexachlorobenzene	0.237	0.235	0.238	0.230	0.223		0.233	2.63
67)		Atrazine		0.221	0.224	0.216	0.211	0.193	0.213	5.86
68)	C	Pentachlorophenol		0.082	0.098	0.105	0.115	0.118	0.104	14.13
69)		Phenanthrene	1.117	1.112	1.110	1.063	1.018		1.084	3.97
70)	S	Anthracene-d10	0.962	0.949	0.953	0.920	0.883		0.933	3.47
71)		Anthracene	1.150	1.145	1.156	1.107	1.044		1.120	4.20
72)		Carbazole		1.041	1.049	1.009	0.953	0.850	0.980	8.35
73)		Di-n-butylphthala	1.388	1.347	1.338	1.292	1.228		1.319	4.65
74)	C	Fluoranthene		1.331	1.332	1.275	1.177	1.026	1.228	10.53
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.943	0.921	0.950	0.918	0.906		0.928	1.97
77)		Pyrene	1.264	1.229	1.242	1.205	1.166		1.221	3.09
78)		Butylbenzylphthal	0.565	0.546	0.572	0.568	0.559		0.562	1.82
79)		3,3'-Dichlorobenz		0.363	0.377	0.361	0.336	0.271	0.342	12.33
80)		Benzo(a)anthracen	1.242	1.210	1.221	1.172	1.122		1.193	3.96
81)		Bis(2-ethylhexyl)	0.884	0.830	0.830	0.782	0.721		0.810	7.58
82)		Chrysene	1.120	1.104	1.116	1.071	1.025		1.087	3.67
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.364	1.390	1.326	1.247	1.052	1.276	10.68
85)		Benzo(b)fluoranth	1.219	1.156	1.246	1.187	1.104		1.183	4.68
86)		Benzo(k)fluoranth	1.135	1.160	1.105	1.041	0.982		1.085	6.70
87)	S	Benzo(a)pyrene-d1	0.929	0.915	0.926	0.896	0.860		0.905	3.12
88)	C	Benzo(a)pyrene	1.169	1.149	1.167	1.111	1.043		1.128	4.71
89)		Indeno(1,2,3-cd)p	1.376	1.361	1.366	1.294	1.213		1.322	5.22
90)		Dibenzo(a,h)anthr	1.136	1.140	1.156	1.077	0.992		1.100	6.13
91)		Benzo(g,h,i)peryl	1.150	1.160	1.171	1.133	1.097		1.142	2.52

(#) = Out of Range