Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM052915.M
Title : SVOA CALIBRATION
Last Update : Sun May 31 04:25:51 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001443.D 10 =BM001444.D 20 =BM001487.D
40 =BM001446.D 80 =BM001447.D 160 =BM001448.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.480	0.456	0.438	0.420	0.451		0.449	4.98
3)	S	1,4-Dioxane-d8	0.396	0.395	0.397	0.405	0.411		0.401	1.80
4)		Benzaldehyde		0.832	1.001	0.984	0.746	0.294	0.771	37.26
5)	S	Phenol-d5		1.232	1.423	1.566	1.484	1.711	1.483	11.94
6)		Phenol		1.332	1.536	1.622	1.554	1.795	1.568	10.64
7)	S	Bis-(2-Chloroethy		0.856	0.918	0.939	0.915	0.986	0.923	5.09
8)		Bis(2-Chloroethyl		1.134	1.245	1.271	1.221	1.350	1.244	6.29
9)	S	2-Chlorophenol-d4	1.107	1.082	1.262	1.315	1.272		1.208	8.73
10)		2-Chlorophenol	1.181	1.169	1.280	1.350	1.317		1.260	6.46
11)		2-Methylphenol		1.033	1.203	1.275	1.204	1.387	1.220	10.56
12)		2,2'-oxybis(1-Chl		2.174	2.356	2.373	2.239	2.403	2.309	4.23
13)	S	4-Methylphenol-d8		1.024	1.243	1.336	1.232	1.408	1.249	11.58
14)		Acetophenone		1.757	2.032	2.150	1.986	2.279	2.041	9.55
15)	P	N-Nitroso-di-n-pr	0.867	0.867	1.018	1.098	1.010		0.972	10.50
16)		4-Methylphenol		1.085	1.336	1.410	1.307	1.539	1.336	12.45
17)		Hexachloroethane	0.505	0.497	0.545	0.562	0.558		0.533	5.73
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.107	0.120	0.135	0.142	0.147		0.130	12.65
20)		Nitrobenzene	0.317	0.329	0.357	0.365	0.369		0.347	6.66
21)		Isophorone	0.516	0.547	0.644	0.675	0.656		0.608	11.71
22)	S	2-Nitrophenol-d4	0.119	0.130	0.155	0.167	0.172		0.148	15.55
23)	C	2-Nitrophenol	0.135	0.149	0.172	0.183	0.184		0.165	13.19
24)		2,4-Dimethylpheno	0.312	0.330	0.365	0.378	0.362		0.350	7.88
25)		Bis(2-Chloroethox	0.362	0.364	0.403	0.408	0.399		0.387	5.78
26)	S	2,4-Dichloropheno	0.260	0.280	0.306	0.320	0.321		0.297	8.95
27)	C	2,4-Dichloropheno	0.262	0.274	0.300	0.318	0.307		0.292	8.08
28)		Naphthalene	1.006	1.010	1.040	1.048	1.038		1.028	1.88
29)	S	4-Chloroaniline-d		0.362	0.414	0.407	0.324	0.239	0.349	20.51
30)		4-Chloroaniline		0.368	0.417	0.413	0.338	0.255	0.358	18.48
31)	C	Hexachlorobutadie	0.191	0.193	0.195	0.190	0.198		0.194	1.66
32)		Caprolactam		0.073	0.094	0.106	0.095	0.111	0.096	15.15
33)	C	4-Chloro-3-methyl	0.281	0.281	0.336	0.353	0.324		0.315	10.39
34)		2-Methylnaphthale	0.723	0.700	0.767	0.779	0.741		0.742	4.34
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.567	0.605	0.607	0.600	0.635		0.603	4.06
37)		Hexachlorocyclope		0.278	0.317	0.338	0.389	0.410	0.346	15.41
38)	C	2,4,6-Trichloroph	0.318	0.346	0.374	0.399	0.413		0.370	10.41
39)		2,4,5-Trichloroph	0.356	0.379	0.420	0.438	0.445		0.408	9.45
40)		1,1'-Biphenyl	1.559	1.567	1.621	1.611	1.653		1.602	2.43
41)		2-Chloronaphthale	1.232	1.199	1.261	1.239	1.282		1.243	2.54
42)		2-Nitroaniline	0.258	0.286	0.371	0.398	0.398		0.342	19.19
43)	S	Dimethylphthalate	1.319	1.307	1.476	1.475	1.436		1.402	5.95
44)		Dimethylphthalate	1.521	1.497	1.645	1.653	1.598		1.583	4.49
45)		2,6-Dinitrotoluen	0.226	0.259	0.322	0.343	0.345		0.299	17.92
46)	S	Acenaphthylene-d8	1.743	1.800	1.978	2.001	2.027		1.910	6.76
47)		Acenaphthylene	1.907	1.924	2.087	2.122	2.112		2.030	5.22
48)		3-Nitroaniline		0.264	0.338	0.357	0.329	0.316	0.321	10.93
49)	C	Acenaphthene	1.361	1.297	1.396	1.394	1.379		1.365	2.97
50)		2,4-Dinitrophenol		0.100	0.168	0.209	0.214	0.260	0.190	31.45
51)	S	4-Nitrophenol-d4		0.206	0.278	0.305	0.297	0.343	0.286	17.58

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.195	0.243	0.262	0.250	0.278	0.246	12.76
53)		Dibenzofuran	1.948	1.883	2.003	1.980	1.960		1.955	2.33
54)		2,4-Dinitrotoluen	0.355	0.401	0.502	0.525	0.507		0.458	16.42
55)		2,3,4,6-Tetrachlo	0.303	0.317	0.374	0.394	0.390		0.356	11.99
56)		Diethylphthalate	1.532	1.530	1.735	1.756	1.687		1.648	6.67
57)	S	Fluorene-d10	1.409	1.338	1.422	1.438	1.388		1.399	2.77
58)		Fluorene	1.618	1.542	1.716	1.711	1.677		1.653	4.43
59)		4-Chlorophenyl-ph	0.802	0.780	0.830	0.814	0.804		0.806	2.27
60)		4-Nitroaniline		0.262	0.331	0.366	0.346	0.404	0.342	15.30
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.089	0.114	0.129	0.131	0.152	0.123	18.87
63)		4,6-Dinitro-2-met		0.101	0.125	0.139	0.140	0.162	0.133	16.94
64)		N-Nitrosodiphenyl	0.555	0.553	0.586	0.605	0.609		0.582	4.56
65)		4-Bromophenyl-phe	0.189	0.187	0.200	0.205	0.205		0.197	4.42
66)		Hexachlorobenzene	0.218	0.214	0.224	0.226	0.226		0.222	2.32
67)		Atrazine		0.190	0.215	0.226	0.211	0.218	0.212	6.41
68)	C	Pentachlorophenol		0.090	0.117	0.135	0.141	0.162	0.129	21.23#
69)		Phenanthrene	1.089	1.063	1.130	1.146	1.139		1.114	3.22
70)	S	Anthracene-d10	0.871	0.866	0.948	0.965	0.959		0.922	5.32
71)		Anthracene	1.114	1.077	1.173	1.193	1.189		1.149	4.46
72)		Carbazole		0.958	1.047	1.092	1.083	1.160	1.068	6.94
73)		Di-n-butylphthala	1.021	1.104	1.291	1.367	1.390		1.235	13.29
74)	C	Fluoranthene		1.219	1.359	1.367	1.388	1.413	1.349	5.61
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.819	0.819	0.888	0.940	0.881		0.870	5.92
77)		Pyrene	1.143	1.134	1.222	1.285	1.194		1.196	5.16
78)		Butylbenzylphthal	0.361	0.401	0.490	0.553	0.552		0.471	18.56
79)		3,3'-Dichlorobenz		0.328	0.398	0.406	0.401	0.383	0.383	8.42
80)		Benzo(a)anthracen	1.125	1.126	1.202	1.211	1.176		1.168	3.51
81)		Bis(2-ethylhexyl)	0.574	0.655	0.784	0.850	0.866		0.746	17.06
82)		Chrysene	1.089	1.051	1.136	1.117	1.105		1.100	2.93
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.177	1.428	1.617	1.564	1.589	1.475	12.31
85)		Benzo(b)fluoranth	1.197	1.181	1.206	1.271	1.268		1.224	3.42
86)		Benzo(k)fluoranth	1.108	1.087	1.227	1.239	1.203		1.173	6.00
87)	S	Benzo(a)pyrene-d1	0.836	0.843	0.899	0.918	0.925		0.884	4.77
88)	C	Benzo(a)pyrene	1.093	1.098	1.178	1.186	1.189		1.149	4.23
89)		Indeno(1,2,3-cd)p	1.138	1.154	1.210	1.223	1.320		1.209	5.92
90)		Dibenzo(a,h)anthr	0.939	0.980	1.016	1.030	1.113		1.015	6.39
91)		Benzo(g,h,i)peryl	0.939	0.959	0.993	1.002	1.097		0.998	6.12

(#) = Out of Range