Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM042516.M
Title : SVOA CALIBRATION
Last Update : Tue Apr 26 00:45:11 2016
Response Via : Initial Calibration

Calibration Files
5 =BM005047.D 10 =BM005048.D 20 =BM005053.D
40 =BM005050.D 80 =BM005051.D 160 =BM005052.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.750	0.735	0.748	0.722	0.696		0.730	3.01
3)	S	1,4-Dioxane-d8	0.364	0.405	0.407	0.396	0.396		0.394	4.38
4)		Benzaldehyde		0.992	1.044	0.954	0.761	0.355	0.821	34.28
5)	S	Phenol-d5		1.531	1.714	1.696	1.725	1.606	1.654	5.03
6)		Phenol		1.661	1.790	1.760	1.788	1.624	1.725	4.47
7)	S	Bis-(2-Chloroethy		0.965	0.989	0.948	0.944	0.861	0.941	5.13
8)		Bis(2-Chloroethyl		1.361	1.382	1.326	1.334	1.209	1.322	5.09
9)	S	2-Chlorophenol-d4	1.154	1.276	1.357	1.366	1.392		1.309	7.39
10)		2-Chlorophenol	1.240	1.318	1.382	1.382	1.404		1.345	5.00
11)		2-Methylphenol		1.253	1.383	1.384	1.419	1.292	1.346	5.23
12)		2,2'-oxybis(1-Chl		1.782	1.794	1.721	1.714	1.540	1.710	5.95
13)	S	4-Methylphenol-d8		1.313	1.431	1.430	1.476	1.363	1.403	4.57
14)		Acetophenone		2.174	2.286	2.135	2.116	1.843	2.111	7.74
15)	P	N-Nitroso-di-n-pr	0.971	1.066	1.128	1.072	1.050		1.057	5.32
16)		4-Methylphenol		1.446	1.557	1.526	1.545	1.416	1.498	4.21
17)		Hexachloroethane	0.525	0.521	0.550	0.537	0.546		0.536	2.38
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.116	0.131	0.143	0.150	0.154		0.139	11.18
20)		Nitrobenzene	0.313	0.331	0.349	0.354	0.357		0.341	5.37
21)		Isophorone	0.587	0.637	0.670	0.668	0.675		0.647	5.69
22)	S	2-Nitrophenol-d4	0.127	0.143	0.159	0.167	0.176		0.155	12.71
23)	C	2-Nitrophenol	0.141	0.161	0.176	0.179	0.183		0.168	10.21
24)		2,4-Dimethylpheno	0.343	0.355	0.370	0.371	0.369		0.362	3.41
25)		Bis(2-Chloroethox	0.400	0.406	0.408	0.400	0.397		0.402	1.17
26)	S	2,4-Dichloropheno	0.256	0.289	0.304	0.309	0.310		0.294	7.72
27)	C	2,4-Dichloropheno	0.277	0.294	0.314	0.314	0.311		0.302	5.37
28)		Naphthalene	1.045	1.021	1.024	0.989	0.966		1.009	3.12
29)	S	4-Chloroaniline-d		0.342	0.410	0.385	0.340	0.244	0.344	18.43
30)		4-Chloroaniline		0.353	0.417	0.389	0.344	0.249	0.350	18.22
31)	C	Hexachlorobutadie	0.204	0.201	0.199	0.198	0.194		0.199	1.77
32)		Caprolactam		0.087	0.104	0.109	0.113	0.108	0.104	9.66
33)	C	4-Chloro-3-methyl	0.299	0.341	0.360	0.362	0.363		0.345	7.81
34)		2-Methylnaphthale	0.763	0.774	0.767	0.730	0.700		0.747	4.16
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.632	0.632	0.638	0.622	0.600		0.625	2.43
37)		Hexachlorocyclope		0.326	0.355	0.385	0.400	0.389	0.371	8.13
38)	C	2,4,6-Trichloroph	0.349	0.382	0.410	0.422	0.424		0.397	8.06
39)		2,4,5-Trichloroph	0.389	0.434	0.464	0.471	0.468		0.445	7.78
40)		1,1'-Biphenyl	1.612	1.615	1.632	1.567	1.485		1.582	3.76
41)		2-Chloronaphthale	1.213	1.213	1.228	1.203	1.160		1.203	2.15
42)		2-Nitroaniline	0.231	0.294	0.351	0.373	0.384		0.326	19.54
43)	S	Dimethylphthalate	1.544	1.593	1.634	1.597	1.530		1.580	2.70
44)		Dimethylphthalate	1.582	1.614	1.640	1.572	1.512		1.584	3.07
45)		2,6-Dinitrotoluen	0.239	0.289	0.322	0.337	0.343		0.306	13.97
46)	S	Acenaphthylene-d8	1.841	1.893	1.959	1.895	1.816		1.881	2.95
47)		Acenaphthylene	1.985	2.040	2.081	1.990	1.855		1.990	4.28
48)		3-Nitroaniline		0.270	0.343	0.333	0.321	0.289	0.311	9.88
49)	C	Acenaphthene	1.360	1.341	1.359	1.283	1.205		1.309	5.06
50)		2,4-Dinitrophenol		0.102	0.153	0.192	0.220	0.225	0.179	28.78
51)	S	4-Nitrophenol-d4		0.229	0.281	0.295	0.298	0.277	0.276	10.12

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.209	0.247	0.259	0.266	0.254	0.247	9.02
53)		Dibenzofuran	2.000	1.993	2.009	1.894	1.760		1.931	5.52
54)		2,4-Dinitrotoluen	0.386	0.454	0.491	0.502	0.492		0.465	10.32
55)		2,3,4,6-Tetrachlo	0.344	0.376	0.405	0.407	0.399		0.387	6.88
56)		Diethylphthalate	1.552	1.618	1.658	1.612	1.554		1.599	2.83
57)	S	Fluorene-d10	1.452	1.427	1.435	1.361	1.266		1.388	5.51
58)		Fluorene	1.613	1.602	1.579	1.432	1.269		1.499	9.87
59)		4-Chlorophenyl-ph	0.818	0.808	0.792	0.721	0.643		0.756	9.79
60)		4-Nitroaniline		0.303	0.354	0.345	0.352	0.325	0.336	6.50
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.095	0.113	0.121	0.124	0.115	0.114	10.00
63)		4,6-Dinitro-2-met		0.103	0.122	0.128	0.128	0.118	0.120	8.58
64)		N-Nitrosodiphenyl	0.563	0.567	0.571	0.545	0.503		0.550	5.15
65)		4-Bromophenyl-phe	0.198	0.198	0.200	0.195	0.185		0.195	3.16
66)		Hexachlorobenzene	0.232	0.227	0.228	0.218	0.207		0.222	4.45
67)		Atrazine		0.202	0.215	0.212	0.203	0.181	0.203	6.48
68)	C	Pentachlorophenol		0.109	0.125	0.136	0.140	0.132	0.128	9.27
69)		Phenanthrene	1.143	1.113	1.091	1.035	0.940		1.064	7.51
70)	S	Anthracene-d10	0.927	0.931	0.933	0.881	0.812		0.897	5.82
71)		Anthracene	1.151	1.129	1.117	1.035	0.932		1.073	8.40
72)		Carbazole		0.989	1.006	0.960	0.882	0.762	0.920	10.90
73)		Di-n-butylphthala	0.986	1.089	1.143	1.117	1.052		1.077	5.72
74)	C	Fluoranthene		1.318	1.313	1.215	1.087	0.924	1.171	14.26
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.905	0.918	0.923	0.916	0.890		0.910	1.43
77)		Pyrene	1.185	1.186	1.178	1.146	1.081		1.155	3.87
78)		Butylbenzylphthal	0.354	0.412	0.463	0.494	0.499		0.444	13.79
79)		3,3'-Dichlorobenz		0.332	0.403	0.379	0.352	0.322	0.358	9.35
80)		Benzo(a)anthracen	1.162	1.157	1.183	1.138	1.085		1.145	3.25
81)		Bis(2-ethylhexyl)	0.530	0.605	0.660	0.675	0.650		0.624	9.42
82)		Chrysene	1.145	1.126	1.119	1.075	1.013		1.095	4.83
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.183	1.251	1.317	1.259	1.206	1.243	4.19
85)		Benzo(b)fluoranth	1.192	1.283	1.221	1.191	1.136		1.205	4.45
86)		Benzo(k)fluoranth	1.216	1.183	1.199	1.175	1.084		1.171	4.41
87)	S	Benzo(a)pyrene-d1	0.875	0.902	0.921	0.908	0.875		0.896	2.31
88)	C	Benzo(a)pyrene	1.124	1.151	1.161	1.130	1.059		1.125	3.52
89)		Indeno(1,2,3-cd)p	1.012	1.044	1.143	1.109	1.058		1.073	4.90
90)		Dibenzo(a,h)anthr	0.838	0.876	0.958	0.933	0.878		0.897	5.37
91)		Benzo(g,h,i)peryl	0.822	0.840	0.928	0.913	0.887		0.878	5.17

(#) = Out of Range