Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM120115.M
Title : SVOA CALIBRATION
Last Update : Wed Dec 02 01:07:29 2015
Response Via : Initial Calibration

Calibration Files
5 =BM003337.D 10 =BM003338.D 20 =BM003339.D
40 =BM003340.D 80 =BM003341.D 160 =BM003342.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.495	0.475	0.493	0.481	0.453		0.479	3.49
3)	S	1,4-Dioxane-d8	0.392	0.406	0.417	0.411	0.386		0.402	3.22
4)		Benzaldehyde		0.941	1.013	1.025	1.004	0.926	0.982	4.56
5)	S	Phenol-d5		1.494	1.630	1.657	1.635	1.567	1.597	4.17
6)		Phenol		1.618	1.734	1.740	1.714	1.622	1.686	3.59
7)	S	Bis-(2-Chloroethy		0.881	0.919	0.906	0.868	0.830	0.881	3.92
8)		Bis(2-Chloroethyl		1.310	1.348	1.326	1.287	1.229	1.300	3.49
9)	S	2-Chlorophenol-d4	1.173	1.272	1.366	1.395	1.395		1.320	7.31
10)		2-Chlorophenol	1.297	1.354	1.453	1.453	1.435		1.398	5.01
11)		2-Methylphenol		1.228	1.340	1.354	1.365	1.274	1.312	4.47
12)		2,2'-oxybis(1-Chl		1.327	1.361	1.324	1.281	1.196	1.298	4.89
13)	S	4-Methylphenol-d8		1.269	1.373	1.380	1.387	1.289	1.339	4.19
14)		Acetophenone		2.120	2.203	2.083	2.022	1.840	2.054	6.63
15)	P	N-Nitroso-di-n-pr	0.863	0.972	1.035	0.997	0.975		0.969	6.62
16)		4-Methylphenol		1.419	1.503	1.490	1.483	1.371	1.453	3.86
17)		Hexachloroethane	0.466	0.495	0.530	0.543	0.536		0.514	6.27
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.108	0.126	0.144	0.153	0.152		0.136	14.20
20)		Nitrobenzene	0.278	0.305	0.331	0.336	0.327		0.315	7.60
21)		Isophorone	0.500	0.573	0.621	0.626	0.622		0.589	9.18
22)	S	2-Nitrophenol-d4	0.109	0.127	0.149	0.161	0.166		0.143	16.96
23)	C	2-Nitrophenol	0.129	0.154	0.174	0.182	0.181		0.164	13.75
24)		2,4-Dimethylpheno	0.308	0.341	0.362	0.360	0.348		0.344	6.27
25)		Bis(2-Chloroethox	0.383	0.396	0.405	0.398	0.387		0.394	2.28
26)	S	2,4-Dichloropheno	0.243	0.273	0.298	0.302	0.298		0.283	8.83
27)	C	2,4-Dichloropheno	0.264	0.294	0.314	0.311	0.307		0.298	6.88
28)		Naphthalene	1.010	1.016	1.035	1.018	0.970		1.010	2.42
29)	S	4-Chloroaniline-d		0.318	0.320	0.337	0.341	0.284	0.320	7.06
30)		4-Chloroaniline		0.345	0.331	0.342	0.345	0.281	0.329	8.30
31)	C	Hexachlorobutadie	0.174	0.175	0.184	0.187	0.180		0.180	3.01
32)		Caprolactam		0.075	0.087	0.088	0.096	0.089	0.087	8.63
33)	C	4-Chloro-3-methyl	0.268	0.315	0.332	0.324	0.328		0.313	8.34
34)		2-Methylnaphthale	0.730	0.763	0.765	0.731	0.698		0.737	3.76
35)		1-Methylnaphthale	0.695	0.722	0.720	0.689	0.660		0.697	3.62
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.603	0.613	0.640	0.668	0.622		0.629	4.05
38)		Hexachlorocyclope		0.274	0.333	0.389	0.391	0.421	0.362	16.13
39)	C	2,4,6-Trichloroph	0.326	0.369	0.409	0.433	0.423		0.392	11.25
40)		2,4,5-Trichloroph	0.371	0.415	0.452	0.473	0.460		0.434	9.58
41)		1,1'-Biphenyl	1.657	1.637	1.716	1.735	1.592		1.667	3.51
42)		2-Chloronaphthale	1.215	1.221	1.269	1.300	1.217		1.244	3.08
43)		2-Nitroaniline	0.197	0.251	0.295	0.320	0.326		0.278	19.44
44)	S	Dimethylphthalate	1.401	1.533	1.566	1.545	1.473		1.504	4.44
45)		Dimethylphthalate	1.496	1.592	1.598	1.565	1.485		1.547	3.46
46)		2,6-Dinitrotoluen	0.204	0.267	0.304	0.319	0.325		0.284	17.62
47)	S	Acenaphthylene-d8	1.688	1.843	1.939	1.946	1.825		1.848	5.68
48)		Acenaphthylene	1.924	2.035	2.112	2.092	1.935		2.019	4.30
49)		3-Nitroaniline		0.296	0.300	0.313	0.308	0.276	0.299	4.85
50)	C	Acenaphthene	1.364	1.366	1.382	1.363	1.270		1.349	3.32
51)		2,4-Dinitrophenol		0.091	0.123	0.153	0.177	0.193	0.148	27.89

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.243	0.266	0.280	0.281	0.278	0.270	6.00
53)		4-Nitrophenol		0.192	0.209	0.219	0.217	0.220	0.211	5.52
54)		Dibenzofuran	1.931	1.968	1.967	1.914	1.773		1.911	4.21
55)		2,4-Dinitrotoluen	0.317	0.412	0.440	0.453	0.442		0.413	13.50
56)		2,3,4,6-Tetrachlo	0.276	0.333	0.356	0.367	0.361		0.339	10.99
57)		Diethylphthalate	1.377	1.566	1.559	1.528	1.464		1.499	5.28
58)	S	Fluorene-d10	1.299	1.337	1.332	1.289	1.213		1.294	3.85
59)		Fluorene	1.544	1.572	1.527	1.460	1.301		1.481	7.32
60)		4-Chlorophenyl-ph	0.756	0.767	0.740	0.712	0.640		0.723	7.00
61)		4-Nitroaniline		0.313	0.334	0.342	0.346	0.339	0.335	3.91
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.076	0.094	0.106	0.115	0.119	0.102	16.92
64)		4,6-Dinitro-2-met		0.087	0.105	0.115	0.124	0.125	0.111	14.27
65)		N-Nitrosodiphenyl	0.592	0.610	0.633	0.619	0.597		0.610	2.69
66)		4-Bromophenyl-phe	0.192	0.196	0.210	0.206	0.202		0.201	3.56
67)		Hexachlorobenzene	0.217	0.224	0.231	0.226	0.219		0.223	2.48
68)		Atrazine		0.192	0.205	0.210	0.206	0.200	0.203	3.42
69)	C	Pentachlorophenol		0.097	0.115	0.127	0.134	0.134	0.121	13.06
70)		Phenanthrene	1.133	1.130	1.125	1.097	1.021		1.101	4.29
71)	S	Anthracene-d10	0.876	0.900	0.921	0.895	0.851		0.889	2.98
72)		Anthracene	1.119	1.146	1.148	1.108	1.028		1.110	4.40
73)		1,2,3,4-Tetrachlo	0.306	0.296	0.331	0.346	0.332		0.322	6.37
74)		Pentachlorobenzen	0.282	0.275	0.294	0.295	0.282		0.286	2.97
75)		Carbazole		0.993	1.002	0.989	0.927	0.886	0.959	5.28
76)		Di-n-butylphthala	0.818	1.026	1.088	1.132	1.101		1.033	12.23
77)	C	Fluoranthene		1.181	1.163	1.164	1.048	1.006	1.112	7.18
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.918	1.019	1.009	0.981	0.969		0.979	4.07
80)		Pyrene	1.267	1.358	1.343	1.274	1.230		1.294	4.19
81)		Butylbenzylphthal	0.273	0.376	0.445	0.495	0.523		0.422	23.81
82)		3,3'-Dichlorobenz		0.298	0.325	0.359	0.344	0.304	0.326	7.96
83)		Benzo(a)anthracen	1.092	1.142	1.181	1.179	1.122		1.143	3.33
84)		Bis(2-ethylhexyl)	0.392	0.520	0.632	0.697	0.692		0.587	22.17
85)		Chrysene	1.103	1.107	1.114	1.119	1.066		1.102	1.90
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		0.990	1.173	1.279	1.319	1.168	1.186	10.76
88)		Benzo(b)fluoranth	1.096	1.185	1.218	1.188	1.158		1.169	3.96
89)		Benzo(k)fluoranth	1.100	1.142	1.195	1.182	1.116		1.147	3.56
90)	S	Benzo(a)pyrene-d1	0.881	0.942	1.007	1.012	0.982		0.965	5.61
91)	C	Benzo(a)pyrene	1.077	1.123	1.182	1.168	1.122		1.134	3.68
92)		Indeno(1,2,3-cd)p	1.189	1.191	1.328	1.350	1.296		1.271	6.00
93)		Dibenzo(a,h)anthr	1.011	1.021	1.126	1.146	1.074		1.076	5.64
94)		Benzo(g,h,i)peryl	0.994	0.994	1.112	1.140	1.110		1.070	6.58

(#) = Out of Range