Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM072115.M
Title : SVOA CALIBRATION
Last Update : Wed Jul 22 03:28:55 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001997.D 10 =BM001998.D 20 =BM001999.D
40 =BM002000.D 80 =BM002001.D 160 =BM002002.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.488	0.432	0.483	0.401	0.534		0.468	11.10
3)	S	1,4-Dioxane-d8	0.468	0.360	0.445	0.385	0.514		0.434	14.34
4)		Benzaldehyde		0.898	0.640	0.846	0.700	0.146	0.646	46.19
5)	S	Phenol-d5		1.452	1.583	1.410	1.664	1.473	1.516	6.88
6)		Phenol		1.557	1.608	1.491	1.710	1.535	1.580	5.32
7)	S	Bis-(2-Chloroethy		0.870	0.973	0.896	0.849	0.813	0.880	6.81
8)		Bis(2-Chloroethyl		1.208	1.199	1.264	1.243	1.161	1.215	3.29
9)	S	2-Chlorophenol-d4	1.183	1.225	1.233	1.327	1.400		1.274	6.92
10)		2-Chlorophenol	1.203	1.263	1.275	1.351	1.419		1.302	6.44
11)		2-Methylphenol		1.134	1.169	1.235	1.345	1.188	1.214	6.75
12)		2,2'-oxybis(1-Chl		1.306	1.172	1.305	1.206	1.247	1.247	4.77
13)	S	4-Methylphenol-d8		1.187	1.181	1.263	1.410	1.239	1.256	7.40
14)		Acetophenone		1.902	1.890	1.973	2.180	2.193	2.027	7.34
15)	P	N-Nitroso-di-n-pr	0.679	0.898	0.900	0.964	1.058		0.900	15.53
16)		4-Methylphenol		1.246	1.275	1.333	1.472	1.416	1.348	7.04
17)		Hexachloroethane	0.439	0.467	0.485	0.498	0.536		0.485	7.44
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.160	0.129	0.124	0.184	0.157		0.151	16.31
20)		Nitrobenzene	0.425	0.339	0.332	0.345	0.356		0.359	10.45
21)		Isophorone	0.724	0.562	0.519	0.605	0.659		0.614	13.14
22)	S	2-Nitrophenol-d4	0.179	0.142	0.138	0.173	0.184		0.163	13.06
23)	C	2-Nitrophenol	0.196	0.161	0.153	0.188	0.197		0.179	11.68
24)		2,4-Dimethylpheno	0.555	0.345	0.334	0.366	0.383		0.396	22.86
25)		Bis(2-Chloroethox	0.520	0.388	0.408	0.380	0.399		0.419	13.74
26)	S	2,4-Dichloropheno	0.374	0.298	0.293	0.338	0.358		0.332	10.80
27)	C	2,4-Dichloropheno	0.368	0.291	0.287	0.325	0.344		0.323	10.68
28)		Naphthalene	1.030	0.990	0.908	1.013	1.030		0.994	5.13
29)	S	4-Chloroaniline-d		0.389	0.330	0.383	0.336	0.141	0.316	32.04
30)		4-Chloroaniline		0.397	0.343	0.392	0.352	0.152	0.327	30.86
31)	C	Hexachlorobutadie	0.235	0.214	0.217	0.242	0.241		0.230	5.83
32)		Caprolactam		0.110	0.107	0.134	0.150	0.118	0.124	14.65
33)	C	4-Chloro-3-methyl	0.297	0.299	0.294	0.330	0.355		0.315	8.44
34)		2-Methylnaphthale	0.934	0.693	0.693	0.738	0.773		0.766	12.99
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.959	0.715	0.886	0.750	0.749		0.812	12.96
37)		Hexachlorocyclope		0.300	0.435	0.417	0.451	0.442	0.409	15.24
38)	C	2,4,6-Trichloroph	0.473	0.398	0.455	0.456	0.475		0.451	6.88
39)		2,4,5-Trichloroph	0.521	0.433	0.444	0.489	0.518		0.481	8.47
40)		1,1'-Biphenyl	1.634	1.622	1.604	1.649	1.656		1.633	1.29
41)		2-Chloronaphthale	1.263	1.248	1.244	1.287	1.301		1.269	1.94
42)		2-Nitroaniline	0.214	0.258	0.280	0.313	0.333		0.280	16.77
43)	S	Dimethylphthalate	1.426	1.447	1.458	1.545	1.602		1.495	5.00
44)		Dimethylphthalate	1.482	1.488	1.537	1.583	1.623		1.542	3.94
45)		2,6-Dinitrotoluen	0.229	0.251	0.284	0.324	0.353		0.288	17.65
46)	S	Acenaphthylene-d8	1.757	1.824	1.813	1.954	1.991		1.868	5.34
47)		Acenaphthylene	1.892	1.898	1.874	2.004	2.032		1.940	3.74
48)		3-Nitroaniline		0.262	0.269	0.319	0.295	0.188	0.267	18.54
49)	C	Acenaphthene	1.307	1.308	1.321	1.331	1.335		1.320	0.96
50)		2,4-Dinitrophenol		0.112	0.149	0.192	0.229	0.203	0.177	26.25
51)	S	4-Nitrophenol-d4		0.204	0.236	0.260	0.340	0.249	0.258	19.55

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.175	0.207	0.230	0.286	0.202	0.220	18.85
53)		Dibenzofuran	1.909	1.848	1.790	1.879	2.399		1.965	12.55
54)		2,4-Dinitrotoluen	0.342	0.383	0.423	0.474	0.642		0.453	25.72
55)		2,3,4,6-Tetrachlo	0.345	0.345	0.399	0.431	0.562		0.416	21.45
56)		Diethylphthalate	1.353	1.391	1.508	1.524	2.041		1.563	17.70
57)	S	Fluorene-d10	1.345	1.322	1.395	1.371	1.744		1.435	12.17
58)		Fluorene	1.596	1.514	1.562	1.572	2.081		1.665	14.09
59)		4-Chlorophenyl-ph	0.898	0.805	0.849	0.854	1.116		0.904	13.59
60)		4-Nitroaniline		0.250	0.273	0.335	0.442	0.284	0.317	24.14
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.096	0.102	0.130	0.184	0.133	0.129	27.05
63)		4,6-Dinitro-2-met		0.107	0.110	0.140	0.193	0.139	0.138	25.02
64)		N-Nitrosodiphenyl	0.432	0.587	0.572	0.601	0.796		0.597	21.71
65)		4-Bromophenyl-phe	0.169	0.210	0.210	0.234	0.239		0.213	13.06
66)		Hexachlorobenzene	0.190	0.235	0.224	0.253	0.264		0.233	12.31
67)		Atrazine		0.198	0.193	0.229	0.228	0.171	0.204	12.18
68)	C	Pentachlorophenol		0.101	0.116	0.146	0.164	0.146	0.135	19.10
69)		Phenanthrene	1.062	1.064	0.995	1.086	1.105		1.062	3.92
70)	S	Anthracene-d10	0.910	0.898	0.815	0.941	0.962		0.905	6.24
71)		Anthracene	1.102	1.081	1.114	1.125	1.143		1.113	2.10
72)		1,2,3,4-Tetrachlo	0.255	0.320	0.299	0.331	0.349		0.311	11.54
73)		Pentachlorobenzen	0.237	0.294	0.299	0.312	0.387		0.306	17.64
74)		Carbazole		0.928	0.841	0.976	0.996	0.890	0.926	6.79
75)		Di-n-butylphthala	0.857	0.945	0.741	1.210	1.205		0.992	21.18
76)	C	Fluoranthene		1.192	0.919	1.297	1.291	0.797	1.099	20.75#
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	1.184	0.900	0.708	0.744	0.820		0.871	21.79
79)		Pyrene	1.535	1.187	0.930	0.963	1.065		1.136	21.54
80)		Butylbenzylphthal	0.308	0.357	0.397	0.358	0.530		0.390	21.66
81)		3,3'-Dichlorobenz		0.363	0.380	0.356	0.366	0.297	0.352	9.17
82)		Benzo(a)anthracen	1.201	1.159	1.168	1.207	1.227		1.192	2.38
83)		Bis(2-ethylhexyl)	0.484	0.542	0.630	0.529	0.767		0.590	18.95
84)		Chrysene	1.152	1.097	1.255	1.131	1.109		1.149	5.50
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.042	1.581	1.159	1.935	1.072	1.358	28.61
87)		Benzo(b)fluoranth	1.223	1.269	1.782	1.242	1.312		1.366	17.21
88)		Benzo(k)fluoranth	1.180	1.141	1.591	1.226	1.284		1.285	13.98
89)	S	Benzo(a)pyrene-d1	0.992	1.049	0.974	1.047	1.074		1.027	4.12
90)	C	Benzo(a)pyrene	1.114	1.181	1.120	1.186	1.215		1.163	3.82
91)		Indeno(1,2,3-cd)p	1.298	1.114	1.263	1.369	1.292		1.267	7.41
92)		Dibenzo(a,h)anthr	1.118	0.946	1.078	1.170	1.106		1.084	7.73
93)		Benzo(g,h,i)peryl	1.090	0.933	1.064	1.138	1.061		1.057	7.17

(#) = Out of Range