Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM042815.M
Title : SVOA CALIBRATION
Last Update : Tue Apr 28 06:36:34 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001125.D 10 =BM001126.D 20 =BM001127.D
40 =BM001128.D 80 =BM001129.D 160 =BM001130.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.506	0.510	0.510	0.458	0.453		0.487	6.01
3)	S	1,4-Dioxane-d8	0.426	0.449	0.483	0.430	0.420		0.441	5.79
4)		Benzaldehyde		1.019	1.124	0.950	0.746	0.362	0.841	35.79
5)	S	Phenol-d5		1.506	1.663	1.622	1.672	1.792	1.651	6.22
6)		Phenol		1.660	1.820	1.739	1.769	1.896	1.777	4.98
7)	S	Bis-(2-Chloroethy		1.024	1.107	1.022	1.017	1.067	1.047	3.70
8)		Bis(2-Chloroethyl		1.330	1.443	1.342	1.347	1.417	1.376	3.68
9)	S	2-Chlorophenol-d4	1.193	1.241	1.353	1.305	1.321		1.283	5.02
10)		2-Chlorophenol	1.293	1.305	1.435	1.347	1.384		1.353	4.31
11)		2-Methylphenol		1.201	1.347	1.297	1.323	1.428	1.319	6.25
12)		2,2'-oxybis(1-Chl		2.580	2.701	2.534	2.511	2.583	2.582	2.85
13)	S	4-Methylphenol-d8		1.228	1.365	1.322	1.356	1.431	1.340	5.55
14)		Acetophenone		2.018	2.204	2.131	2.158	2.301	2.162	4.78
15)	P	N-Nitroso-di-n-pr	0.920	0.993	1.129	1.098	1.126		1.053	8.80
16)		4-Methylphenol		1.331	1.478	1.440	1.454	1.546	1.450	5.38
17)		Hexachloroethane	0.544	0.535	0.586	0.550	0.560		0.555	3.50
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.122	0.129	0.139	0.140	0.146		0.135	7.01
20)		Nitrobenzene	0.343	0.371	0.394	0.388	0.396		0.378	5.85
21)		Isophorone	0.554	0.619	0.685	0.681	0.711		0.650	9.74
22)	S	2-Nitrophenol-d4	0.121	0.137	0.152	0.156	0.168		0.147	12.53
23)	C	2-Nitrophenol	0.131	0.162	0.172	0.174	0.180		0.164	11.78
24)		2,4-Dimethylpheno	0.333	0.358	0.375	0.368	0.379		0.363	5.15
25)		Bis(2-Chloroethox	0.400	0.421	0.434	0.423	0.429		0.421	3.13
26)	S	2,4-Dichloropheno	0.253	0.279	0.302	0.300	0.315		0.290	8.43
27)	C	2,4-Dichloropheno	0.259	0.287	0.301	0.297	0.311		0.291	6.84
28)		Naphthalene	1.044	1.056	1.089	1.033	1.052		1.055	1.98
29)	S	4-Chloroaniline-d		0.346	0.399	0.372	0.329	0.265	0.342	14.88
30)		4-Chloroaniline		0.359	0.413	0.381	0.340	0.279	0.354	14.09
31)	C	Hexachlorobutadie	0.178	0.178	0.183	0.178	0.178		0.179	1.24
32)		Caprolactam		0.072	0.084	0.091	0.102	0.107	0.091	15.18
33)	C	4-Chloro-3-methyl	0.276	0.307	0.329	0.325	0.345		0.316	8.38
34)		2-Methylnaphthale	0.709	0.727	0.752	0.721	0.743		0.730	2.35
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.607	0.618	0.642	0.613	0.618		0.620	2.17
37)		Hexachlorocyclope		0.290	0.336	0.343	0.359	0.410	0.348	12.43
38)	C	2,4,6-Trichloroph	0.318	0.352	0.387	0.391	0.406		0.371	9.64
39)		2,4,5-Trichloroph	0.358	0.402	0.438	0.435	0.445		0.416	8.70
40)		1,1'-Biphenyl	1.684	1.671	1.740	1.678	1.667		1.688	1.78
41)		2-Chloronaphthale	1.276	1.303	1.336	1.291	1.278		1.297	1.89
42)		2-Nitroaniline	0.276	0.329	0.397	0.422	0.455		0.376	19.27
43)	S	Dimethylphthalate	1.264	1.367	1.450	1.391	1.443		1.383	5.43
44)		Dimethylphthalate	1.527	1.548	1.620	1.555	1.604		1.571	2.49
45)		2,6-Dinitrotoluen	0.215	0.257	0.302	0.316	0.339		0.286	17.36
46)	S	Acenaphthylene-d8	1.786	1.924	2.045	1.998	2.023		1.955	5.38
47)		Acenaphthylene	1.970	2.105	2.204	2.137	2.148		2.113	4.13
48)		3-Nitroaniline		0.252	0.333	0.329	0.323	0.317	0.311	10.70
49)	C	Acenaphthene	1.408	1.392	1.462	1.394	1.411		1.413	2.01
50)		2,4-Dinitrophenol		0.097	0.149	0.173	0.204	0.236	0.172	30.76
51)	S	4-Nitrophenol-d4		0.235	0.276	0.287	0.321	0.335	0.291	13.59

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.212	0.254	0.259	0.273	0.282	0.256	10.51
53)		Dibenzofuran	1.931	1.945	2.002	1.925	1.945		1.950	1.57
54)		2,4-Dinitrotoluen	0.342	0.402	0.463	0.468	0.505		0.436	14.71
55)		2,3,4,6-Tetrachlo	0.255	0.305	0.350	0.351	0.376		0.327	14.58
56)		Diethylphthalate	1.454	1.576	1.664	1.612	1.675		1.596	5.58
57)	S	Fluorene-d10	1.356	1.370	1.393	1.333	1.381		1.367	1.70
58)		Fluorene	1.592	1.604	1.665	1.619	1.706		1.637	2.89
59)		4-Chlorophenyl-ph	0.787	0.765	0.796	0.761	0.783		0.778	1.91
60)		4-Nitroaniline		0.295	0.358	0.343	0.393	0.394	0.357	11.50
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.092	0.113	0.118	0.129	0.148	0.120	17.18
63)		4,6-Dinitro-2-met		0.104	0.122	0.127	0.140	0.156	0.130	15.09
64)		N-Nitrosodiphenyl	0.574	0.593	0.624	0.611	0.620		0.605	3.40
65)		4-Bromophenyl-phe	0.178	0.192	0.203	0.195	0.202		0.194	5.30
66)		Hexachlorobenzene	0.215	0.216	0.230	0.217	0.225		0.221	3.03
67)		Atrazine		0.190	0.211	0.207	0.218	0.232	0.212	7.13
68)	C	Pentachlorophenol		0.089	0.110	0.118	0.135	0.156	0.122	20.82#
69)		Phenanthrene	1.140	1.135	1.176	1.117	1.157		1.145	1.97
70)	S	Anthracene-d10	0.874	0.921	0.955	0.924	0.960		0.927	3.69
71)		Anthracene	1.115	1.168	1.204	1.148	1.196		1.166	3.13
72)		Carbazole		1.028	1.086	1.049	1.108	1.151	1.084	4.46
73)		Di-n-butylphthala	0.917	1.079	1.227	1.216	1.331		1.154	13.88
74)	C	Fluoranthene		1.271	1.336	1.269	1.352	1.358	1.317	3.34
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.840	0.879	0.919	0.889	0.905		0.887	3.40
77)		Pyrene	1.179	1.227	1.270	1.211	1.218		1.221	2.69
78)		Butylbenzylphthal	0.315	0.394	0.477	0.499	0.544		0.446	20.42
79)		3,3'-Dichlorobenz		0.315	0.389	0.363	0.363	0.355	0.357	7.50
80)		Benzo(a)anthracen	1.155	1.179	1.231	1.185	1.198		1.190	2.34
81)		Bis(2-ethylhexyl)	0.535	0.626	0.745	0.762	0.835		0.701	17.02
82)		Chrysene	1.123	1.133	1.155	1.125	1.116		1.130	1.34
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.128	1.323	1.358	1.467	1.470	1.349	10.35
85)		Benzo(b)fluoranth	1.185	1.224	1.288	1.225	1.291		1.243	3.70
86)		Benzo(k)fluoranth	1.076	1.135	1.209	1.181	1.201		1.160	4.77
87)	S	Benzo(a)pyrene-d1	0.851	0.877	0.950	0.912	0.945		0.907	4.73
88)	C	Benzo(a)pyrene	1.125	1.148	1.221	1.182	1.224		1.180	3.71
89)		Indeno(1,2,3-cd)p	1.276	1.289	1.374	1.351	1.387		1.335	3.78
90)		Dibenzo(a,h)anthr	1.051	1.077	1.159	1.131	1.165		1.117	4.53
91)		Benzo(g,h,i)peryl	1.090	1.087	1.151	1.120	1.135		1.117	2.50

(#) = Out of Range