Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM020817.M
Title : SVOA CALIBRATION
Last Update : Wed Feb 08 15:01:57 2017
Response Via : Initial Calibration

Calibration Files
5 =BM008980.D 10 =BM008981.D 20 =BM008982.D
40 =BM008983.D 80 =BM008984.D 160 =BM008985.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.623	0.602	0.570	0.559	0.523		0.575	6.74
3)	S	1,4-Dioxane-d8	0.541	0.524	0.554	0.488	0.492		0.520	5.65
4)		Benzaldehyde		1.375	1.512	1.442	1.446	1.077	1.371	12.47
5)	S	Phenol-d5		1.615	1.805	1.765	1.861	1.839	1.777	5.49
6)		Phenol		1.771	1.985	1.872	1.976	1.943	1.909	4.67
7)	S	Bis-(2-Chloroethy		1.264	1.359	1.276	1.305	1.264	1.293	3.11
8)		Bis(2-Chloroethyl		1.439	1.567	1.484	1.505	1.490	1.497	3.09
9)	S	2-Chlorophenol-d4	1.076	1.141	1.244	1.229	1.278		1.194	6.93
10)		2-Chlorophenol	1.163	1.206	1.315	1.252	1.321		1.251	5.49
11)		2-Methylphenol		1.201	1.389	1.283	1.376	1.353	1.320	5.95
12)		2,2'-oxybis(1-Chl		2.394	2.506	2.338	2.406	2.340	2.397	2.86
13)	S	4-Methylphenol-d8		1.215	1.345	1.327	1.382	1.364	1.327	4.96
14)		Acetophenone		2.210	2.411	2.265	2.342	2.305	2.307	3.30
15)	P	N-Nitroso-di-n-pr	1.180	1.214	1.428	1.384	1.427		1.327	9.06
16)		4-Methylphenol		1.316	1.513	1.428	1.488	1.462	1.441	5.33
17)		Hexachloroethane	0.571	0.611	0.621	0.604	0.631		0.607	3.78
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.118	0.127	0.143	0.145	0.152		0.137	10.31
20)		Nitrobenzene	0.457	0.448	0.498	0.486	0.499		0.478	4.94
21)		Isophorone	0.778	0.774	0.853	0.849	0.882		0.827	5.87
22)	S	2-Nitrophenol-d4	0.128	0.129	0.160	0.161	0.173		0.150	13.57
23)	C	2-Nitrophenol	0.148	0.144	0.172	0.173	0.187		0.165	10.95
24)		2,4-Dimethylpheno	0.395	0.400	0.431	0.419	0.438		0.417	4.47
25)		Bis(2-Chloroethox	0.450	0.454	0.502	0.484	0.498		0.478	5.09
26)	S	2,4-Dichloropheno	0.292	0.303	0.332	0.330	0.345		0.320	6.83
27)	C	2,4-Dichloropheno	0.299	0.298	0.335	0.327	0.342		0.320	6.41
28)		Naphthalene	0.955	0.971	1.026	1.005	1.029		0.997	3.29
29)	S	4-Chloroaniline-d		0.275	0.355	0.366	0.341	0.289	0.325	12.58
30)		4-Chloroaniline		0.303	0.370	0.378	0.353	0.303	0.341	10.61
31)	C	Hexachlorobutadie	0.263	0.253	0.270	0.262	0.266		0.263	2.44
32)		Caprolactam		0.077	0.099	0.100	0.106	0.105	0.097	11.92
33)	C	4-Chloro-3-methyl	0.331	0.331	0.377	0.381	0.397		0.363	8.43
34)		2-Methylnaphthale	0.720	0.689	0.759	0.758	0.784		0.742	5.07
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.634	0.639	0.671	0.653	0.669		0.653	2.55
37)		Hexachlorocyclope		0.370	0.396	0.423	0.444	0.452	0.417	8.13
38)	C	2,4,6-Trichloroph	0.336	0.332	0.384	0.396	0.414		0.372	9.85
39)		2,4,5-Trichloroph	0.373	0.369	0.416	0.428	0.444		0.406	8.30
40)		1,1'-Biphenyl	1.337	1.335	1.439	1.394	1.437		1.388	3.70
41)		2-Chloronaphthale	1.059	1.076	1.119	1.081	1.130		1.093	2.77
42)		2-Nitroaniline	0.310	0.309	0.396	0.406	0.432		0.371	15.43
43)	S	Dimethylphthalate	1.297	1.296	1.427	1.390	1.427		1.368	4.86
44)		Dimethylphthalate	1.330	1.293	1.418	1.382	1.416		1.368	4.01
45)		2,6-Dinitrotoluen	0.207	0.205	0.263	0.274	0.295		0.249	16.42
46)	S	Acenaphthylene-d8	1.417	1.567	1.730	1.748	1.799		1.652	9.53
47)		Acenaphthylene	1.491	1.543	1.701	1.716	1.745		1.639	6.97
48)		3-Nitroaniline		0.212	0.262	0.274	0.263	0.231	0.248	10.38
49)	C	Acenaphthene	1.130	1.119	1.208	1.174	1.225		1.171	3.98
50)		2,4-Dinitrophenol		0.124	0.162	0.178	0.201	0.216	0.176	20.33
51)	S	4-Nitrophenol-d4		0.196	0.236	0.247	0.261	0.264	0.241	11.42

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.255	0.295	0.293	0.304	0.306	0.290	7.12
53)		Dibenzofuran	1.685	1.696	1.802	1.744	1.763		1.738	2.77
54)		2,4-Dinitrotoluen	0.317	0.329	0.396	0.414	0.439		0.379	14.17
55)		2,3,4,6-Tetrachlo	0.330	0.348	0.388	0.401	0.417		0.377	9.61
56)		Diethylphthalate	1.324	1.344	1.450	1.440	1.465		1.405	4.66
57)	S	Fluorene-d10	1.212	1.220	1.318	1.282	1.323		1.271	4.14
58)		Fluorene	1.331	1.384	1.481	1.432	1.492		1.424	4.74
59)		4-Chlorophenyl-ph	0.756	0.716	0.800	0.774	0.787		0.767	4.28
60)		4-Nitroaniline		0.233	0.294	0.306	0.318	0.283	0.287	11.43
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.085	0.113	0.123	0.133	0.140	0.119	18.08
63)		4,6-Dinitro-2-met		0.100	0.121	0.131	0.142	0.146	0.128	14.65
64)		N-Nitrosodiphenyl	0.523	0.547	0.579	0.585	0.608		0.568	5.91
65)		4-Bromophenyl-phe	0.206	0.213	0.226	0.233	0.239		0.224	6.07
66)		Hexachlorobenzene	0.246	0.250	0.251	0.254	0.260		0.252	2.04
67)		Atrazine		0.199	0.224	0.230	0.237	0.237	0.225	6.97
68)	C	Pentachlorophenol		0.121	0.143	0.155	0.166	0.169	0.151	12.83
69)		Phenanthrene	1.038	1.035	1.102	1.104	1.149		1.085	4.49
70)	S	Anthracene-d10	0.906	0.871	0.956	0.968	1.004		0.941	5.61
71)		Anthracene	1.013	1.075	1.137	1.138	1.183		1.109	5.97
72)		Carbazole		0.907	0.990	0.995	1.029	1.017	0.987	4.85
73)		Di-n-butylphthala	0.970	0.990	1.130	1.190	1.252		1.106	11.14
74)	C	Fluoranthene		1.248	1.368	1.360	1.405	1.233	1.323	5.83
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.794	0.814	0.881	0.865	0.932		0.857	6.40
77)		Pyrene	1.032	1.067	1.113	1.110	1.173		1.099	4.84
78)		Butylbenzylphthal	0.318	0.340	0.393	0.420	0.470		0.388	15.73
79)		3,3'-Dichlorobenz		0.355	0.393	0.405	0.403	0.339	0.379	7.97
80)		Benzo(a)anthracen	1.081	1.095	1.162	1.136	1.189		1.133	4.01
81)		Bis(2-ethylhexyl)	0.476	0.501	0.575	0.619	0.680		0.570	14.68
82)		Chrysene	1.054	1.059	1.106	1.080	1.140		1.088	3.29
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.920	1.073	1.171	1.265	1.083	1.102	11.61
85)		Benzo(b)fluoranth	1.133	1.162	1.233	1.199	1.253		1.196	4.11
86)		Benzo(k)fluoranth	1.029	1.066	1.171	1.190	1.230		1.137	7.54
87)	S	Benzo(a)pyrene-d1	0.840	0.860	0.921	0.918	0.968		0.901	5.71
88)	C	Benzo(a)pyrene	1.056	1.071	1.184	1.161	1.207		1.136	6.00
89)		Indeno(1,2,3-cd)p	1.201	1.205	1.290	1.257	1.303		1.251	3.75
90)		Dibenzo(a,h)anthr	1.061	1.054	1.096	1.067	1.110		1.078	2.23
91)		Benzo(g,h,i)peryl	1.041	1.013	1.072	1.042	1.088		1.051	2.78

(#) = Out of Range