Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM121915.M
Title : SVOA CALIBRATION
Last Update : Mon Dec 21 16:14:53 2015
Response Via : Initial Calibration

Calibration Files
5 =BM003615.D 10 =BM003616.D 20 =BM003639.D
40 =BM003618.D 80 =BM003619.D 160 =BM003620.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.442	0.421	0.446	0.443	0.426		0.436	2.55
3)	S	1,4-Dioxane-d8	0.365	0.375	0.368	0.376	0.371		0.371	1.29
4)		Benzaldehyde		1.000	1.098	1.076	0.967	0.719	0.972	15.58
5)	S	Phenol-d5		1.530	1.741	1.733	1.696	1.727	1.685	5.26
6)		Phenol		1.628	1.842	1.818	1.798	1.791	1.775	4.78
7)	S	Bis-(2-Chloroethy		0.873	0.940	0.914	0.889	0.874	0.898	3.21
8)		Bis(2-Chloroethyl		1.275	1.383	1.334	1.296	1.269	1.312	3.63
9)	S	2-Chlorophenol-d4	1.256	1.302	1.434	1.456	1.430		1.376	6.56
10)		2-Chlorophenol	1.306	1.354	1.507	1.505	1.476		1.430	6.53
11)		2-Methylphenol		1.271	1.453	1.441	1.422	1.440	1.405	5.41
12)		2,2'-oxybis(1-Chl		1.286	1.401	1.365	1.296	1.269	1.324	4.28
13)	S	4-Methylphenol-d8		1.308	1.505	1.493	1.480	1.513	1.460	5.86
14)		Acetophenone		2.201	2.433	2.342	2.245	2.181	2.280	4.63
15)	P	N-Nitroso-di-n-pr	1.029	1.063	1.196	1.139	1.096		1.105	5.90
16)		4-Methylphenol		1.434	1.627	1.608	1.581	1.583	1.567	4.90
17)		Hexachloroethane	0.504	0.520	0.562	0.571	0.562		0.544	5.49
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.129	0.136	0.150	0.155	0.154		0.145	8.06
20)		Nitrobenzene	0.311	0.321	0.351	0.351	0.341		0.335	5.45
21)		Isophorone	0.640	0.637	0.705	0.689	0.669		0.668	4.48
22)	S	2-Nitrophenol-d4	0.142	0.152	0.171	0.176	0.175		0.163	9.39
23)	C	2-Nitrophenol	0.160	0.173	0.190	0.192	0.190		0.181	7.89
24)		2,4-Dimethylpheno	0.346	0.355	0.393	0.383	0.375		0.371	5.31
25)		Bis(2-Chloroethox	0.399	0.395	0.419	0.408	0.392		0.403	2.65
26)	S	2,4-Dichloropheno	0.273	0.285	0.313	0.313	0.306		0.298	6.07
27)	C	2,4-Dichloropheno	0.290	0.296	0.323	0.325	0.315		0.310	5.10
28)		Naphthalene	1.015	1.015	1.074	1.045	1.004		1.030	2.77
29)	S	4-Chloroaniline-d		0.385	0.433	0.427	0.390	0.348	0.397	8.71
30)		4-Chloroaniline		0.393	0.439	0.433	0.393	0.348	0.401	9.09
31)	C	Hexachlorobutadie	0.191	0.184	0.196	0.195	0.188		0.191	2.59
32)		Caprolactam		0.102	0.120	0.118	0.117	0.123	0.116	6.93
33)	C	4-Chloro-3-methyl	0.337	0.344	0.388	0.377	0.370		0.363	5.98
34)		2-Methylnaphthale	0.767	0.759	0.809	0.773	0.740		0.770	3.27
35)		1-Methylnaphthale	0.728	0.717	0.775	0.736	0.699		0.731	3.82
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.585	0.606	0.622	0.619	0.593		0.605	2.64
38)		Hexachlorocyclope		0.255	0.299	0.345	0.361	0.360	0.324	14.30
39)	C	2,4,6-Trichloroph	0.380	0.400	0.421	0.429	0.415		0.409	4.79
40)		2,4,5-Trichloroph	0.418	0.436	0.464	0.477	0.463		0.452	5.29
41)		1,1'-Biphenyl	1.608	1.641	1.676	1.649	1.548		1.624	3.02
42)		2-Chloronaphthale	1.186	1.221	1.254	1.245	1.194		1.220	2.47
43)		2-Nitroaniline	0.294	0.310	0.353	0.367	0.365		0.338	9.90
44)	S	Dimethylphthalate	1.637	1.655	1.705	1.669	1.598		1.653	2.39
45)		Dimethylphthalate	1.698	1.677	1.750	1.707	1.622		1.691	2.76
46)		2,6-Dinitrotoluen	0.286	0.302	0.345	0.362	0.353		0.329	10.10
47)	S	Acenaphthylene-d8	1.806	1.854	1.953	1.949	1.848		1.882	3.50
48)		Acenaphthylene	2.002	2.049	2.152	2.115	1.969		2.058	3.71
49)		3-Nitroaniline		0.355	0.393	0.404	0.362	0.323	0.368	8.81
50)	C	Acenaphthene	1.375	1.391	1.428	1.379	1.298		1.374	3.44
51)		2,4-Dinitrophenol		0.103	0.150	0.183	0.208	0.229	0.175	28.50

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.293	0.329	0.336	0.329	0.323	0.322	5.14
53)		4-Nitrophenol		0.254	0.282	0.277	0.277	0.273	0.272	3.96
54)		Dibenzofuran	1.980	1.980	2.041	1.964	1.844		1.962	3.69
55)		2,4-Dinitrotoluen	0.450	0.470	0.526	0.535	0.521		0.500	7.56
56)		2,3,4,6-Tetrachlo	0.369	0.376	0.406	0.402	0.393		0.389	4.14
57)		Diethylphthalate	1.775	1.788	1.859	1.806	1.717		1.789	2.89
58)	S	Fluorene-d10	1.393	1.372	1.420	1.368	1.284		1.368	3.72
59)		Fluorene	1.612	1.603	1.667	1.569	1.422		1.574	5.87
60)		4-Chlorophenyl-ph	0.796	0.785	0.795	0.755	0.689		0.764	5.89
61)		4-Nitroaniline		0.377	0.430	0.440	0.416	0.379	0.408	7.13
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.086	0.110	0.121	0.123	0.123	0.113	13.89
64)		4,6-Dinitro-2-met		0.095	0.119	0.129	0.132	0.129	0.121	12.50
65)		N-Nitrosodiphenyl	0.587	0.586	0.610	0.592	0.551		0.585	3.66
66)		4-Bromophenyl-phe	0.203	0.199	0.202	0.201	0.190		0.199	2.63
67)		Hexachlorobenzene	0.223	0.220	0.228	0.225	0.212		0.221	2.79
68)		Atrazine		0.228	0.236	0.232	0.221	0.208	0.225	4.84
69)	C	Pentachlorophenol		0.110	0.124	0.130	0.131	0.129	0.125	7.16
70)		Phenanthrene	1.142	1.121	1.147	1.100	1.022		1.106	4.57
71)	S	Anthracene-d10	0.919	0.918	0.942	0.917	0.854		0.910	3.61
72)		Anthracene	1.150	1.148	1.179	1.124	1.040		1.128	4.69
73)		1,2,3,4-Tetrachlo	0.267	0.273	0.278	0.282	0.271		0.274	2.15
74)		Pentachlorobenzen	0.261	0.258	0.264	0.262	0.246		0.258	2.70
75)		Carbazole		1.076	1.111	1.069	0.988	0.904	1.030	8.08
76)		Di-n-butylphthala	1.361	1.346	1.382	1.345	1.265		1.340	3.33
77)	C	Fluoranthene		1.365	1.383	1.305	1.215	1.090	1.272	9.50
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.897	0.859	0.890	0.877	0.844		0.874	2.51
80)		Pyrene	1.219	1.144	1.177	1.145	1.071		1.151	4.71
81)		Butylbenzylphthal	0.530	0.519	0.563	0.562	0.549		0.544	3.57
82)		3,3'-Dichlorobenz		0.403	0.420	0.403	0.367	0.318	0.382	10.67
83)		Benzo(a)anthracen	1.253	1.216	1.245	1.186	1.128		1.206	4.22
84)		Bis(2-ethylhexyl)	0.828	0.819	0.844	0.812	0.749		0.810	4.49
85)		Chrysene	1.244	1.194	1.196	1.121	1.058		1.163	6.29
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.390	1.430	1.442	1.361	1.285	1.382	4.55
88)		Benzo(b)fluoranth	1.240	1.241	1.221	1.215	1.112		1.206	4.44
89)		Benzo(k)fluoranth	1.219	1.134	1.159	1.113	1.087		1.142	4.42
90)	S	Benzo(a)pyrene-d1	1.007	0.993	1.024	0.996	0.947		0.994	2.88
91)	C	Benzo(a)pyrene	1.187	1.156	1.193	1.151	1.080		1.153	3.87
92)		Indeno(1,2,3-cd)p	1.158	1.284	1.376	1.237	1.151		1.241	7.55
93)		Dibenzo(a,h)anthr	0.978	1.082	1.154	1.038	0.954		1.041	7.74
94)		Benzo(g,h,i)peryl	0.929	1.048	1.140	1.024	0.956		1.020	8.15

(#) = Out of Range