Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM01.2-EPA-BM122914.M
Title : SVOA CALIBRATION
Last Update : Fri Jan 30 04:00:41 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000051.D 10 =BM000052.D 20 =BM000391.D
40 =BM000054.D 80 =BM000055.D

		Compound	5	10	20	40	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)		1,4-Dioxane	0.536	0.488	0.380	0.462	0.444	0.462	12.44
3)	S	1,4-Dioxane-d8	0.347	0.351	0.291	0.339	0.347	0.335	7.51
4)		Benzaldehyde	1.178	1.299	1.021	1.186	0.975	1.132	11.67
5)	S	Phenol-d5	1.513	1.701	1.419	1.774	1.802	1.642	10.23
6)		Phenol	1.641	1.800	1.454	1.838	1.863	1.719	9.97
7)	S	Bis-(2-Chloroethyl)	1.057	1.102	0.891	1.073	1.081	1.041	8.19
8)		Bis(2-Chloroethyl)e	1.317	1.451	1.143	1.394	1.393	1.340	8.95
9)	S	2-Chlorophenol-d4	1.133	1.248	1.149	1.287	1.321	1.228	6.79
10)		2-Chlorophenol	1.215	1.308	1.202	1.323	1.368	1.283	5.61
11)		2-Methylphenol	1.241	1.395	1.188	1.416	1.458	1.339	8.81
12)		2,2'-oxybis(1-Chlor	2.278	2.392	2.352	2.258	2.224	2.301	3.02
13)	S	4-Methylphenol-d8	1.196	1.385	1.214	1.393	1.426	1.323	8.23
14)		Acetophenone	2.266	2.491	2.113	2.373	2.346	2.318	6.04
15)	P	N-Nitroso-di-n-prop	1.142	1.299	1.060	1.235	1.245	1.196	7.95
16)		4-Methylphenol	1.310	1.529	1.304	1.532	1.562	1.447	8.89
17)		Hexachloroethane	0.560	0.616	0.572	0.596	0.620	0.593	4.48
18)	I	Naphthalene-d8	----------ISTD----------						
19)	S	Nitrobenzene-d5	0.125	0.135	0.134	0.147	0.152	0.139	7.97
20)		Nitrobenzene	0.384	0.409	0.393	0.432	0.437	0.411	5.66
21)		Isophorone	0.754	0.809	0.686	0.820	0.819	0.778	7.47
22)	S	2-Nitrophenol-d4	0.116	0.129	0.140	0.159	0.165	0.142	14.36
23)	C	2-Nitrophenol	0.131	0.145	0.156	0.171	0.176	0.156	12.09
24)		2,4-Dimethylphenol	0.394	0.428	0.404	0.440	0.440	0.421	4.99
25)		Bis(2-Chloroethoxy)	0.429	0.456	0.370	0.454	0.445	0.431	8.27
26)	S	2,4-Dichlorophenol-	0.288	0.311	0.317	0.331	0.328	0.315	5.39
27)	C	2,4-Dichlorophenol	0.290	0.311	0.309	0.325	0.325	0.312	4.61
28)		Naphthalene	1.031	1.039	0.989	1.026	1.018	1.020	1.91
29)	S	4-Chloroaniline-d4	0.278	0.336	0.398	0.400	0.363	0.355	14.34
30)		4-Chloroaniline	0.279	0.346	0.410	0.414	0.374	0.365	15.19
31)	C	Hexachlorobutadiene	0.215	0.224	0.250	0.227	0.225	0.228	5.82
32)		Caprolactam	0.079	0.101	0.088	0.110	0.111	0.098	14.11
33)	C	4-Chloro-3-methylph	0.333	0.391	0.384	0.408	0.406	0.385	7.96
34)		2-Methylnaphthalene	0.753	0.786	0.778	0.763	0.743	0.765	2.32
35)	I	Acenaphthene-d10	----------ISTD----------						
36)		1,2,4,5-Tetrachloro	0.539	0.567	0.598	0.570	0.562	0.567	3.74
37)		Hexachlorocyclopent	0.306	0.321	0.367	0.376	0.388	0.352	10.23
38)	C	2,4,6-Trichlorophen	0.311	0.342	0.367	0.384	0.387	0.358	8.97
39)		2,4,5-Trichlorophen	0.338	0.389	0.406	0.400	0.413	0.389	7.67
40)		1,1'-Biphenyl	1.417	1.471	1.435	1.472	1.434	1.446	1.70
41)		2-Chloronaphthalene	1.091	1.127	1.108	1.128	1.114	1.114	1.34
42)		2-Nitroaniline		0.330	0.344	0.404	0.420	0.374	11.76
43)	S	Dimethylphthalate-d	1.418	1.515	1.484	1.510	1.486	1.483	2.62
44)		Dimethylphthalate	1.416	1.485	1.496	1.520	1.498	1.483	2.67
45)		2,6-Dinitrotoluene	0.200	0.253	0.278	0.293	0.306	0.266	15.76
46)	S	Acenaphthylene-d8	1.691	1.810	1.756	1.812	1.793	1.773	2.85
47)		Acenaphthylene	1.813	1.908	1.793	1.904	1.857	1.855	2.82
48)		3-Nitroaniline		0.248	0.272	0.305	0.278	0.276	8.55
49)	C	Acenaphthene	1.159	1.227	1.156	1.204	1.192	1.188	2.52
50)		2,4-Dinitrophenol		0.102	0.134	0.139	0.160	0.134	18.04
51)	S	4-Nitrophenol-d4		0.215	0.218	0.253	0.261	0.237	10.02

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		Compound	5	10	20	40	80	Avg	%RSD
52)		4-Nitrophenol		0.288	0.359	0.339	0.343	0.332	9.22
53)		Dibenzofuran	1.690	1.793	1.734	1.741	1.698	1.731	2.35
54)		2,4-Dinitrotoluene	0.311	0.379	0.419	0.439	0.446	0.399	13.94
55)		2,3,4,6-Tetrachloro	0.271	0.329	0.351	0.360	0.359	0.334	11.15
56)		Diethylphthalate	1.441	1.580	1.577	1.595	1.585	1.556	4.15
57)	S	Fluorene-d10	1.242	1.315	1.284	1.278	1.256	1.275	2.21
58)		Fluorene	1.436	1.497	1.432	1.420	1.385	1.434	2.83
59)		4-Chlorophenyl-phen	0.710	0.736	0.752	0.700	0.691	0.718	3.55
60)		4-Nitroaniline		0.312	0.288	0.325	0.306	0.308	5.00
61)	I	Phenanthrene-d10	----------ISTD----------						
62)	S	4,6-Dinitro-2-methy		0.080	0.106	0.102	0.113	0.100	14.16
63)		4,6-Dinitro-2-methy		0.082	0.106	0.105	0.115	0.102	13.51
64)		N-Nitrosodiphenylam	0.579	0.595	0.555	0.590	0.577	0.579	2.68
65)		4-Bromophenyl-pheny	0.202	0.210	0.214	0.208	0.205	0.208	2.16
66)		Hexachlorobenzene	0.237	0.241	0.241	0.238	0.234	0.238	1.24
67)		Atrazine	0.207	0.232	0.232	0.236	0.230	0.227	5.12
68)	C	Pentachlorophenol		0.132	0.132	0.151	0.153	0.142	8.29
69)		Phenanthrene	1.065	1.118	1.084	1.105	1.060	1.087	2.30
70)	S	Anthracene-d10	0.906	0.960	0.924	0.943	0.914	0.929	2.33
71)		Anthracene	1.108	1.169	1.094	1.126	1.080	1.115	3.08
72)		Carbazole	0.922	1.077	0.944	1.039	1.001	0.997	6.47
73)		Di-n-butylphthalate	1.026	1.250	1.125	1.267	1.233	1.180	8.68
74)	C	Fluoranthene	1.170	1.349	1.257	1.302	1.245	1.265	5.29
75)	I	Chrysene-d12	----------ISTD----------						
76)	S	Pyrene-d10	0.923	0.888	1.047	0.958	0.965	0.956	6.18
77)		Pyrene	1.242	1.164	1.369	1.231	1.225	1.246	6.02
78)		Butylbenzylphthalat	0.379	0.459	0.476	0.553	0.577	0.489	16.21
79)		3,3'-Dichlorobenzid	0.262	0.347	0.364	0.402	0.369	0.349	15.08
80)		Benzo(a)anthracene	1.122	1.194	1.158	1.182	1.180	1.167	2.43
81)		Bis(2-ethylhexyl)ph	0.553	0.696	0.659	0.782	0.817	0.701	14.89
82)		Chrysene	1.040	1.094	1.077	1.097	1.039	1.070	2.66
83)	I	Perylene-d12	----------ISTD----------						
84)		Di-n-octyl phthalat	0.964	1.230	1.334	1.457	1.534	1.304	17.09
85)		Benzo(b)fluoranthen	1.216	1.203	1.299	1.288	1.395	1.280	6.01
86)		Benzo(k)fluoranthen	0.995	1.175	1.233	1.156	1.074	1.127	8.27
87)	S	Benzo(a)pyrene-d12	0.838	0.915	0.950	0.942	0.959	0.921	5.33
88)	C	Benzo(a)pyrene	1.060	1.149	1.164	1.139	1.144	1.131	3.61
89)		Indeno(1,2,3-cd)pyr	1.184	1.233	1.162	1.173	1.146	1.179	2.77
90)		Dibenzo(a,h)anthrac	0.992	1.033	0.964	0.988	0.969	0.989	2.76
91)		Benzo(g,h,i)perylen	0.992	1.007	0.974	0.960	0.939	0.974	2.71

(#) = Out of Range