Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM041717.M
Title : SVOA CALIBRATION
Last Update : Mon Apr 17 18:22:30 2017
Response Via : Initial Calibration

Calibration Files
5 =BM009647.D 10 =BM009648.D 20 =BM009649.D
40 =BM009650.D 80 =BM009651.D 160 =BM009652.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.796	0.631	0.626	0.580	0.557		0.638	14.67
3)	S	1,4-Dioxane-d8	0.631	0.544	0.524	0.502	0.514		0.543	9.46
4)		Benzaldehyde		1.313	1.392	1.199	0.824	0.907	1.127	22.19
5)	S	Phenol-d5		1.746	1.833	1.769	1.826	1.941	1.823	4.14
6)		Phenol		1.841	1.995	1.926	1.998	2.082	1.968	4.57
7)	S	Bis-(2-Chloroethy		1.199	1.321	1.255	1.298	1.336	1.282	4.31
8)		Bis(2-Chloroethyl		1.439	1.512	1.484	1.540	1.567	1.508	3.29
9)	S	2-Chlorophenol-d4	1.194	1.230	1.302	1.274	1.334		1.267	4.42
10)		2-Chlorophenol	1.287	1.251	1.337	1.345	1.401		1.324	4.36
11)		2-Methylphenol		1.265	1.383	1.370	1.401	1.468	1.377	5.31
12)		2,2'-oxybis(1-Chl		2.381	2.487	2.421	2.493	2.541	2.465	2.57
13)	S	4-Methylphenol-d8		1.239	1.360	1.322	1.374	1.438	1.347	5.44
14)		Acetophenone		2.152	2.344	2.247	2.345	2.434	2.305	4.69
15)	P	N-Nitroso-di-n-pr	1.242	1.310	1.434	1.377	1.442		1.361	6.24
16)		4-Methylphenol		1.415	1.554	1.476	1.511	1.567	1.505	4.10
17)		Hexachloroethane	0.649	0.599	0.656	0.633	0.666		0.641	4.11
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.147	0.142	0.160	0.158	0.164		0.154	5.97
20)		Nitrobenzene	0.494	0.489	0.511	0.520	0.529		0.509	3.37
21)		Isophorone	0.794	0.761	0.862	0.852	0.887		0.831	6.27
22)	S	2-Nitrophenol-d4	0.135	0.153	0.169	0.175	0.180		0.163	11.35
23)	C	2-Nitrophenol	0.167	0.168	0.187	0.188	0.199		0.182	7.54
24)		2,4-Dimethylpheno	0.410	0.402	0.437	0.441	0.452		0.428	4.97
25)		Bis(2-Chloroethox	0.475	0.480	0.515	0.506	0.523		0.500	4.25
26)	S	2,4-Dichloropheno	0.311	0.301	0.326	0.333	0.342		0.323	5.14
27)	C	2,4-Dichloropheno	0.300	0.308	0.338	0.332	0.342		0.324	5.88
28)		Naphthalene	1.044	0.993	1.076	1.045	1.062		1.044	3.03
29)	S	4-Chloroaniline-d		0.365	0.406	0.360	0.300	0.194	0.325	25.43
30)		4-Chloroaniline		0.380	0.400	0.381	0.322	0.211	0.339	22.79
31)	C	Hexachlorobutadie	0.236	0.235	0.251	0.242	0.244		0.242	2.63
32)		Caprolactam		0.092	0.106	0.106	0.113	0.112	0.106	7.81
33)	C	4-Chloro-3-methyl	0.346	0.352	0.377	0.366	0.381		0.365	4.19
34)		2-Methylnaphthale	0.722	0.694	0.758	0.744	0.772		0.738	4.15
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.700	0.702	0.766	0.741	0.769		0.736	4.56
37)		Hexachlorocyclope		0.310	0.385	0.399	0.445	0.463	0.401	14.97
38)	C	2,4,6-Trichloroph	0.430	0.459	0.487	0.468	0.509		0.471	6.30
39)		2,4,5-Trichloroph	0.456	0.438	0.478	0.489	0.518		0.476	6.45
40)		1,1'-Biphenyl	1.594	1.591	1.766	1.670	1.763		1.677	5.12
41)		2-Chloronaphthale	1.320	1.267	1.354	1.320	1.359		1.324	2.80
42)		2-Nitroaniline	0.434	0.467	0.534	0.533	0.564		0.506	10.62
43)	S	Dimethylphthalate	1.520	1.550	1.682	1.623	1.690		1.613	4.74
44)		Dimethylphthalate	1.543	1.551	1.701	1.629	1.686		1.622	4.54
45)		2,6-Dinitrotoluen	0.284	0.289	0.351	0.333	0.362		0.324	11.01
46)	S	Acenaphthylene-d8	1.882	1.909	2.159	2.093	2.165		2.042	6.69
47)		Acenaphthylene	1.942	1.923	2.151	2.073	2.156		2.049	5.45
48)		3-Nitroaniline		0.309	0.338	0.321	0.326	0.306	0.320	4.06
49)	C	Acenaphthene	1.324	1.329	1.424	1.370	1.445		1.378	3.97
50)		2,4-Dinitrophenol		0.150	0.190	0.199	0.226	0.240	0.201	17.32
51)	S	4-Nitrophenol-d4		0.241	0.288	0.300	0.309	0.310	0.290	9.88

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.292	0.352	0.333	0.355	0.357	0.338	8.08
53)		Dibenzofuran	1.911	1.876	2.086	1.977	2.069		1.984	4.69
54)		2,4-Dinitrotoluen	0.425	0.453	0.503	0.498	0.519		0.480	8.10
55)		2,3,4,6-Tetrachlo	0.395	0.408	0.465	0.443	0.475		0.437	7.93
56)		Diethylphthalate	1.566	1.596	1.716	1.666	1.748		1.658	4.65
57)	S	Fluorene-d10	1.296	1.330	1.443	1.407	1.454		1.386	5.04
58)		Fluorene	1.543	1.614	1.703	1.645	1.722		1.646	4.37
59)		4-Chlorophenyl-ph	0.806	0.838	0.896	0.850	0.887		0.855	4.30
60)		4-Nitroaniline		0.333	0.361	0.352	0.340	0.366	0.350	3.93
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.107	0.122	0.126	0.140	0.143	0.127	11.36
63)		4,6-Dinitro-2-met		0.105	0.132	0.135	0.147	0.152	0.134	13.70
64)		N-Nitrosodiphenyl	0.579	0.582	0.635	0.616	0.645		0.611	4.92
65)		4-Bromophenyl-phe	0.215	0.218	0.238	0.237	0.242		0.230	5.42
66)		Hexachlorobenzene	0.248	0.241	0.264	0.248	0.261		0.252	3.79
67)		Atrazine		0.220	0.255	0.245	0.247	0.218	0.237	7.03
68)	C	Pentachlorophenol		0.130	0.152	0.154	0.168	0.174	0.156	10.90
69)		Phenanthrene	1.086	1.043	1.166	1.130	1.187		1.122	5.23
70)	S	Anthracene-d10	0.900	0.913	1.005	0.995	1.031		0.969	6.05
71)		Anthracene	1.111	1.087	1.224	1.173	1.246		1.168	5.91
72)		Carbazole		0.919	1.055	1.017	1.071	1.070	1.026	6.25
73)		Di-n-butylphthala	1.119	1.139	1.304	1.283	1.363		1.242	8.65
74)	C	Fluoranthene		1.279	1.408	1.356	1.446	1.473	1.392	5.53
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.828	0.812	0.885	0.879	0.902		0.861	4.51
77)		Pyrene	1.086	1.089	1.174	1.152	1.179		1.136	4.02
78)		Butylbenzylphthal	0.429	0.445	0.484	0.483	0.503		0.469	6.56
79)		3,3'-Dichlorobenz		0.384	0.432	0.409	0.410	0.397	0.406	4.34
80)		Benzo(a)anthracen	1.149	1.123	1.202	1.177	1.204		1.171	2.99
81)		Bis(2-ethylhexyl)	0.642	0.659	0.707	0.706	0.754		0.694	6.41
82)		Chrysene	1.012	1.032	1.093	1.068	1.069		1.055	3.07
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.206	1.320	1.283	1.390	1.455	1.331	7.22
85)		Benzo(b)fluoranth	1.170	1.139	1.265	1.263	1.317		1.231	5.98
86)		Benzo(k)fluoranth	1.121	1.142	1.229	1.172	1.198		1.172	3.67
87)	S	Benzo(a)pyrene-d1	0.842	0.879	0.942	0.921	0.938		0.905	4.77
88)	C	Benzo(a)pyrene	1.112	1.147	1.235	1.199	1.236		1.186	4.64
89)		Indeno(1,2,3-cd)p	1.306	1.342	1.435	1.410	1.437		1.386	4.25
90)		Dibenzo(a,h)anthr	1.119	1.097	1.220	1.191	1.231		1.172	5.16
91)		Benzo(g,h,i)peryl	1.052	1.101	1.178	1.153	1.180		1.133	4.86

(#) = Out of Range