Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM040116.M
Title : SVOA CALIBRATION
Last Update : Sat Apr 02 00:53:13 2016
Response Via : Initial Calibration

Calibration Files
5 =BM004849.D 10 =BM004844.D 20 =BM004850.D
40 =BM004846.D 80 =BM004847.D 160 =BM004848.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.579	0.648	0.617	0.600	0.564		0.602	5.49
3)	S	1,4-Dioxane-d8	0.441	0.534	0.518	0.496	0.482		0.494	7.21
4)		Benzaldehyde		1.065	1.026	0.995	0.765	0.292	0.829	38.83
5)	S	Phenol-d5		1.733	1.771	1.788	1.792	1.802	1.777	1.52
6)		Phenol		1.816	1.865	1.877	1.869	1.853	1.856	1.28
7)	S	Bis-(2-Chloroethy		1.002	0.996	0.966	0.938	0.913	0.963	3.92
8)		Bis(2-Chloroethyl		1.486	1.429	1.405	1.375	1.337	1.406	4.01
9)	S	2-Chlorophenol-d4	1.199	1.380	1.374	1.388	1.403		1.349	6.25
10)		2-Chlorophenol	1.295	1.452	1.448	1.448	1.458		1.420	4.93
11)		2-Methylphenol		1.430	1.455	1.477	1.484	1.477	1.465	1.53
12)		2,2'-oxybis(1-Chl		1.768	1.748	1.725	1.688	1.647	1.715	2.82
13)	S	4-Methylphenol-d8		1.448	1.483	1.503	1.505	1.524	1.493	1.94
14)		Acetophenone		2.391	2.345	2.296	2.178	2.076	2.257	5.70
15)	P	N-Nitroso-di-n-pr	1.063	1.206	1.184	1.155	1.104		1.142	5.12
16)		4-Methylphenol		1.618	1.632	1.648	1.629	1.633	1.632	0.66
17)		Hexachloroethane	0.504	0.571	0.555	0.547	0.545		0.545	4.57
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.120	0.144	0.146	0.149	0.151		0.142	9.04
20)		Nitrobenzene	0.308	0.347	0.348	0.352	0.347		0.340	5.34
21)		Isophorone	0.615	0.707	0.701	0.694	0.673		0.678	5.55
22)	S	2-Nitrophenol-d4	0.131	0.157	0.161	0.168	0.171		0.158	10.13
23)	C	2-Nitrophenol	0.144	0.175	0.177	0.182	0.182		0.172	9.20
24)		2,4-Dimethylpheno	0.332	0.376	0.377	0.372	0.361		0.364	5.18
25)		Bis(2-Chloroethox	0.412	0.440	0.428	0.424	0.408		0.422	3.07
26)	S	2,4-Dichloropheno	0.252	0.301	0.305	0.308	0.305		0.294	7.97
27)	C	2,4-Dichloropheno	0.266	0.314	0.313	0.317	0.310		0.304	7.03
28)		Naphthalene	1.012	1.044	1.022	1.008	0.969		1.011	2.72
29)	S	4-Chloroaniline-d		0.419	0.422	0.394	0.334	0.186	0.351	28.08
30)		4-Chloroaniline		0.438	0.441	0.417	0.354	0.202	0.370	27.16
31)	C	Hexachlorobutadie	0.179	0.193	0.187	0.184	0.181		0.185	3.04
32)		Caprolactam		0.107	0.113	0.116	0.117	0.122	0.115	4.65
33)	C	4-Chloro-3-methyl	0.305	0.361	0.364	0.361	0.352		0.348	7.10
34)		2-Methylnaphthale	0.746	0.784	0.775	0.751	0.712		0.753	3.74
35)		1-Methylnaphthale	0.727	0.766	0.747	0.725	0.686		0.730	4.07
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.602	0.632	0.635	0.619	0.607		0.619	2.37
38)		Hexachlorocyclope		0.348	0.361	0.379	0.390	0.363	0.368	4.40
39)	C	2,4,6-Trichloroph	0.351	0.415	0.421	0.428	0.429		0.409	8.06
40)		2,4,5-Trichloroph	0.385	0.461	0.460	0.471	0.469		0.449	8.03
41)		1,1'-Biphenyl	1.592	1.678	1.667	1.622	1.560		1.624	3.05
42)		2-Chloronaphthale	1.174	1.266	1.249	1.227	1.199		1.223	3.03
43)		2-Nitroaniline	0.274	0.356	0.361	0.381	0.389		0.352	13.03
44)	S	Dimethylphthalate	1.535	1.635	1.615	1.575	1.529		1.578	2.98
45)		Dimethylphthalate	1.591	1.665	1.644	1.595	1.541		1.607	3.01
46)		2,6-Dinitrotoluen	0.250	0.314	0.320	0.336	0.342		0.313	11.70
47)	S	Acenaphthylene-d8	1.773	1.953	1.947	1.918	1.847		1.888	4.06
48)		Acenaphthylene	1.919	2.102	2.081	2.027	1.917		2.009	4.35
49)		3-Nitroaniline		0.320	0.344	0.348	0.326	0.261	0.320	10.92
50)	C	Acenaphthene	1.339	1.415	1.382	1.334	1.259		1.346	4.37
51)		2,4-Dinitrophenol		0.160	0.187	0.214	0.234	0.241	0.208	16.24

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.291	0.313	0.322	0.324	0.311	0.312	4.24
53)		4-Nitrophenol		0.249	0.258	0.264	0.257	0.250	0.256	2.48
54)		Dibenzofuran	1.952	2.035	2.003	1.940	1.835		1.953	3.91
55)		2,4-Dinitrotoluen	0.391	0.474	0.487	0.501	0.500		0.471	9.72
56)		2,3,4,6-Tetrachlo	0.342	0.412	0.416	0.416	0.409		0.399	8.02
57)		Diethylphthalate	1.569	1.694	1.676	1.634	1.563		1.627	3.69
58)	S	Fluorene-d10	1.369	1.424	1.394	1.352	1.280		1.364	3.96
59)		Fluorene	1.601	1.680	1.637	1.518	1.344		1.556	8.52
60)		4-Chlorophenyl-ph	0.792	0.807	0.792	0.736	0.660		0.757	8.02
61)		4-Nitroaniline		0.354	0.372	0.382	0.381	0.386	0.375	3.40
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.109	0.116	0.126	0.128	0.120	0.120	6.44
64)		4,6-Dinitro-2-met		0.121	0.127	0.135	0.135	0.125	0.128	4.82
65)		N-Nitrosodiphenyl	0.569	0.617	0.592	0.580	0.542		0.580	4.76
66)		4-Bromophenyl-phe	0.191	0.209	0.204	0.201	0.192		0.199	3.94
67)		Hexachlorobenzene	0.224	0.237	0.232	0.227	0.216		0.227	3.46
68)		Atrazine		0.229	0.223	0.223	0.210	0.178	0.213	9.68
69)	C	Pentachlorophenol		0.132	0.138	0.146	0.150	0.141	0.141	4.93
70)		Phenanthrene	1.113	1.158	1.129	1.093	1.021		1.103	4.66
71)	S	Anthracene-d10	0.871	0.937	0.916	0.907	0.843		0.895	4.18
72)		Anthracene	1.099	1.170	1.149	1.105	1.006		1.106	5.71
73)		1,2,3,4-Tetrachlo	0.245	0.268	0.261	0.265	0.260		0.260	3.33
74)		Pentachlorobenzen	0.258	0.270	0.262	0.260	0.248		0.260	2.99
75)		Carbazole		1.075	1.056	1.025	0.955	0.823	0.987	10.35
76)		Di-n-butylphthala	1.043	1.261	1.228	1.201	1.125		1.172	7.50
77)	C	Fluoranthene		1.370	1.343	1.284	1.161	0.968	1.225	13.43
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.819	0.906	0.878	0.884	0.853		0.868	3.82
80)		Pyrene	1.112	1.204	1.169	1.152	1.086		1.145	4.06
81)		Butylbenzylphthal	0.403	0.519	0.504	0.507	0.494		0.485	9.69
82)		3,3'-Dichlorobenz		0.419	0.440	0.413	0.369	0.308	0.390	13.50
83)		Benzo(a)anthracen	1.135	1.206	1.175	1.140	1.078		1.147	4.16
84)		Bis(2-ethylhexyl)	0.639	0.764	0.728	0.698	0.639		0.694	7.94
85)		Chrysene	1.099	1.138	1.111	1.082	1.011		1.088	4.37
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.316	1.257	1.247	1.144	0.956	1.184	11.96
88)		Benzo(b)fluoranth	1.129	1.194	1.147	1.162	1.100		1.146	3.09
89)		Benzo(k)fluoranth	1.116	1.166	1.139	1.084	0.993		1.099	6.08
90)	S	Benzo(a)pyrene-d1	0.859	0.920	0.901	0.896	0.855		0.886	3.17
91)	C	Benzo(a)pyrene	1.108	1.165	1.139	1.110	1.036		1.112	4.35
92)		Indeno(1,2,3-cd)p	1.331	1.380	1.357	1.324	1.238		1.326	4.07
93)		Dibenzo(a,h)anthr	1.097	1.149	1.135	1.113	1.016		1.102	4.75
94)		Benzo(g,h,i)peryl	1.130	1.163	1.159	1.151	1.090		1.139	2.64

(#) = Out of Range