Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM021216.M
Title : SVOA CALIBRATION
Last Update : Sat Feb 13 05:01:22 2016
Response Via : Initial Calibration

Calibration Files
5 =BM004227.D 10 =BM004228.D 20 =BM004244.D
40 =BM004230.D 80 =BM004231.D 160 =BM004232.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.454	0.477	0.476	0.467	0.449		0.465	2.73
3)	S	1,4-Dioxane-d8	0.349	0.401	0.425	0.416	0.394		0.397	7.35
4)		Benzaldehyde		1.026	1.135	1.062	0.925	0.482	0.926	28.05
5)	S	Phenol-d5		1.553	1.685	1.636	1.611	1.547	1.607	3.62
6)		Phenol		1.688	1.804	1.737	1.705	1.621	1.711	3.92
7)	S	Bis-(2-Chloroethy		0.890	0.912	0.874	0.850	0.812	0.868	4.43
8)		Bis(2-Chloroethyl		1.330	1.383	1.333	1.283	1.199	1.306	5.31
9)	S	2-Chlorophenol-d4	1.324	1.408	1.497	1.462	1.432		1.425	4.58
10)		2-Chlorophenol	1.419	1.464	1.548	1.494	1.479		1.481	3.16
11)		2-Methylphenol		1.332	1.445	1.382	1.339	1.243	1.348	5.49
12)		2,2'-oxybis(1-Chl		1.333	1.376	1.285	1.236	1.137	1.273	7.25
13)	S	4-Methylphenol-d8		1.353	1.482	1.388	1.369	1.250	1.368	6.06
14)		Acetophenone		2.289	2.414	2.208	2.114	1.878	2.181	9.25
15)	P	N-Nitroso-di-n-pr	0.989	1.078	1.159	1.047	0.986		1.052	6.84
16)		4-Methylphenol		1.475	1.616	1.500	1.460	1.318	1.474	7.21
17)		Hexachloroethane	0.573	0.592	0.607	0.593	0.584		0.590	2.11
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.135	0.149	0.162	0.161	0.161		0.154	7.63
20)		Nitrobenzene	0.327	0.352	0.369	0.355	0.348		0.350	4.32
21)		Isophorone	0.627	0.678	0.727	0.671	0.650		0.670	5.55
22)	S	2-Nitrophenol-d4	0.148	0.166	0.183	0.181	0.181		0.172	8.72
23)	C	2-Nitrophenol	0.173	0.186	0.206	0.202	0.199		0.193	7.10
24)		2,4-Dimethylpheno	0.360	0.387	0.414	0.396	0.381		0.388	5.10
25)		Bis(2-Chloroethox	0.395	0.420	0.441	0.414	0.397		0.413	4.55
26)	S	2,4-Dichloropheno	0.288	0.309	0.327	0.317	0.309		0.310	4.67
27)	C	2,4-Dichloropheno	0.295	0.323	0.347	0.327	0.320		0.322	5.72
28)		Naphthalene	1.094	1.136	1.168	1.107	1.056		1.112	3.79
29)	S	4-Chloroaniline-d		0.367	0.438	0.402	0.370	0.269	0.369	17.06
30)		4-Chloroaniline		0.390	0.466	0.430	0.389	0.282	0.392	17.64
31)	C	Hexachlorobutadie	0.207	0.222	0.224	0.219	0.213		0.217	3.13
32)		Caprolactam		0.088	0.108	0.091	0.095	0.083	0.093	9.95
33)	C	4-Chloro-3-methyl	0.336	0.358	0.394	0.350	0.350		0.358	6.16
34)		2-Methylnaphthale	0.789	0.824	0.860	0.786	0.754		0.803	5.06
35)		1-Methylnaphthale	0.755	0.784	0.811	0.738	0.705		0.759	5.37
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.667	0.702	0.717	0.730	0.685		0.700	3.55
38)		Hexachlorocyclope		0.216	0.283	0.355	0.378	0.422	0.331	24.66
39)	C	2,4,6-Trichloroph	0.411	0.432	0.465	0.461	0.444		0.443	5.02
40)		2,4,5-Trichloroph	0.440	0.465	0.504	0.497	0.479		0.477	5.41
41)		1,1'-Biphenyl	1.759	1.811	1.845	1.829	1.697		1.788	3.38
42)		2-Chloronaphthale	1.303	1.370	1.405	1.405	1.314		1.360	3.58
43)		2-Nitroaniline	0.280	0.318	0.360	0.350	0.349		0.332	9.93
44)	S	Dimethylphthalate	1.626	1.706	1.791	1.633	1.566		1.664	5.19
45)		Dimethylphthalate	1.711	1.789	1.877	1.691	1.624		1.739	5.59
46)		2,6-Dinitrotoluen	0.298	0.328	0.378	0.356	0.355		0.343	8.97
47)	S	Acenaphthylene-d8	1.929	2.040	2.126	2.055	1.960		2.022	3.89
48)		Acenaphthylene	2.135	2.261	2.322	2.242	2.081		2.208	4.44
49)		3-Nitroaniline		0.314	0.376	0.353	0.317	0.267	0.325	12.86
50)	C	Acenaphthene	1.489	1.542	1.567	1.490	1.393		1.496	4.46
51)		2,4-Dinitrophenol		0.109	0.155	0.173	0.197	0.195	0.166	21.84

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM021216.M
Title : SVOA CALIBRATION
Last Update : Sat Feb 13 05:01:22 2016
Response Via : Initial Calibration

Calibration Files
5 =BM004227.D 10 =BM004228.D 20 =BM004244.D
40 =BM004230.D 80 =BM004231.D 160 =BM004232.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.245	0.289	0.275	0.277	0.260	0.269	6.21
53)		4-Nitrophenol		0.191	0.236	0.222	0.221	0.206	0.215	8.00
54)		Dibenzofuran	2.074	2.141	2.173	2.042	1.908		2.068	5.00
55)		2,4-Dinitrotoluen	0.445	0.479	0.553	0.501	0.487		0.493	8.03
56)		2,3,4,6-Tetrachlo	0.353	0.381	0.414	0.392	0.389		0.386	5.66
57)		Diethylphthalate	1.724	1.790	1.902	1.698	1.619		1.747	6.07
58)	S	Fluorene-d10	1.414	1.444	1.492	1.367	1.297		1.403	5.33
59)		Fluorene	1.694	1.726	1.802	1.621	1.488		1.666	7.15
60)		4-Chlorophenyl-ph	0.834	0.857	0.888	0.804	0.749		0.827	6.42
61)		4-Nitroaniline		0.336	0.411	0.379	0.357	0.329	0.363	9.19
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.099	0.120	0.127	0.132	0.131	0.122	11.07
64)		4,6-Dinitro-2-met		0.111	0.134	0.138	0.141	0.139	0.133	9.28
65)		N-Nitrosodiphenyl	0.659	0.687	0.694	0.685	0.648		0.675	2.98
66)		4-Bromophenyl-phe	0.220	0.235	0.238	0.237	0.228		0.232	3.39
67)		Hexachlorobenzene	0.252	0.266	0.268	0.262	0.254		0.260	2.87
68)		Atrazine		0.229	0.249	0.241	0.232	0.213	0.233	5.88
69)	C	Pentachlorophenol		0.099	0.120	0.125	0.130	0.130	0.121	10.65
70)		Phenanthrene	1.208	1.241	1.272	1.201	1.127		1.210	4.47
71)	S	Anthracene-d10	0.959	0.993	1.024	0.982	0.931		0.978	3.58
72)		Anthracene	1.210	1.261	1.292	1.223	1.153		1.228	4.31
73)		1,2,3,4-Tetrachlo	0.294	0.310	0.304	0.334	0.313		0.311	4.71
74)		Pentachlorobenzen	0.295	0.308	0.306	0.316	0.303		0.306	2.58
75)		Carbazole		1.055	1.119	1.060	0.992	0.937	1.032	6.76
76)		Di-n-butylphthala	1.295	1.320	1.420	1.359	1.290		1.337	4.03
77)	C	Fluoranthene		1.309	1.388	1.299	1.201	1.136	1.267	7.79
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.039	1.082	1.141	1.020	1.026		1.062	4.78
80)		Pyrene	1.434	1.482	1.563	1.386	1.367		1.446	5.45
81)		Butylbenzylphthal	0.522	0.565	0.621	0.587	0.599		0.579	6.48
82)		3,3'-Dichlorobenz		0.401	0.426	0.441	0.401	0.349	0.403	8.61
83)		Benzo(a)anthracen	1.265	1.308	1.330	1.283	1.252		1.288	2.46
84)		Bis(2-ethylhexyl)	0.785	0.846	0.893	0.871	0.841		0.847	4.81
85)		Chrysene	1.204	1.239	1.258	1.202	1.175		1.215	2.71
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.513	1.708	1.580	1.532	1.295	1.526	9.79
88)		Benzo(b)fluoranth	1.290	1.307	1.436	1.305	1.279		1.323	4.83
89)		Benzo(k)fluoranth	1.219	1.292	1.307	1.280	1.220		1.264	3.29
90)	S	Benzo(a)pyrene-d1	1.024	1.064	1.112	1.083	1.054		1.067	3.09
91)	C	Benzo(a)pyrene	1.199	1.263	1.323	1.271	1.234		1.258	3.66
92)		Indeno(1,2,3-cd)p	1.331	1.429	1.448	1.489	1.430		1.425	4.08
93)		Dibenzo(a,h)anthr	1.120	1.198	1.212	1.258	1.195		1.196	4.16
94)		Benzo(g,h,i)peryl	1.122	1.200	1.218	1.260	1.219		1.204	4.22

(#) = Out of Range