Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM032317MA.M
Title : SVOA CALIBRATION
Last Update : Fri Mar 24 04:55:42 2017
Response Via : Initial Calibration

Calibration Files
5 =BM009338.D 10 =BM009339.D 20 =BM009351.D
40 =BM009341.D 80 =BM009342.D 160 =BM009343.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.617	0.603	0.597	0.563	0.553		0.586	4.64
3)	S	1,4-Dioxane-d8	0.551	0.520	0.553	0.502	0.498		0.525	4.96
4)		Benzaldehyde		1.387	1.478	1.416	1.247	0.807	1.267	21.37
5)	S	Phenol-d5		1.666	1.827	1.760	1.846	1.942	1.808	5.70
6)		Phenol		1.834	1.926	1.880	1.976	2.060	1.935	4.52
7)	S	Bis-(2-Chloroethy		1.218	1.315	1.257	1.307	1.349	1.289	4.00
8)		Bis(2-Chloroethyl		1.406	1.538	1.467	1.529	1.596	1.507	4.82
9)	S	2-Chlorophenol-d4	1.160	1.120	1.245	1.243	1.321		1.218	6.51
10)		2-Chlorophenol	1.241	1.252	1.326	1.314	1.346		1.296	3.60
11)		2-Methylphenol		1.186	1.342	1.324	1.383	1.458	1.339	7.44
12)		2,2'-oxybis(1-Chl		2.333	2.473	2.380	2.486	2.556	2.446	3.64
13)	S	4-Methylphenol-d8		1.215	1.355	1.307	1.421	1.453	1.350	6.98
14)		Acetophenone		2.105	2.332	2.286	2.359	2.430	2.302	5.30
15)	P	N-Nitroso-di-n-pr	1.219	1.214	1.429	1.357	1.425		1.329	8.00
16)		4-Methylphenol		1.332	1.460	1.415	1.504	1.558	1.454	5.94
17)		Hexachloroethane	0.613	0.590	0.639	0.638	0.646		0.625	3.71
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.125	0.146	0.151	0.152	0.161		0.147	9.23
20)		Nitrobenzene	0.479	0.469	0.514	0.495	0.521		0.496	4.47
21)		Isophorone	0.759	0.766	0.859	0.840	0.897		0.824	7.26
22)	S	2-Nitrophenol-d4	0.140	0.145	0.168	0.161	0.183		0.159	10.93
23)	C	2-Nitrophenol	0.142	0.155	0.182	0.174	0.190		0.169	11.60
24)		2,4-Dimethylpheno	0.388	0.399	0.426	0.420	0.448		0.416	5.63
25)		Bis(2-Chloroethox	0.464	0.459	0.494	0.470	0.500		0.478	3.89
26)	S	2,4-Dichloropheno	0.275	0.300	0.323	0.321	0.350		0.314	8.93
27)	C	2,4-Dichloropheno	0.280	0.297	0.327	0.319	0.349		0.315	8.54
28)		Naphthalene	0.986	0.982	1.039	0.994	1.060		1.012	3.49
29)	S	4-Chloroaniline-d		0.362	0.393	0.370	0.368	0.314	0.361	8.08
30)		4-Chloroaniline		0.375	0.417	0.397	0.385	0.330	0.381	8.58
31)	C	Hexachlorobutadie	0.240	0.240	0.254	0.242	0.255		0.246	3.10
32)		Caprolactam		0.081	0.097	0.095	0.106	0.106	0.097	10.80
33)	C	4-Chloro-3-methyl	0.312	0.328	0.370	0.363	0.393		0.353	9.25
34)		2-Methylnaphthale	0.688	0.715	0.747	0.720	0.779		0.730	4.74
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.651	0.605	0.750	0.666	0.688		0.672	7.89
37)		Hexachlorocyclope		0.353	0.451	0.406	0.442	0.455	0.422	10.22
38)	C	2,4,6-Trichloroph	0.346	0.359	0.439	0.400	0.424		0.393	10.22
39)		2,4,5-Trichloroph	0.383	0.384	0.484	0.418	0.454		0.424	10.40
40)		1,1'-Biphenyl	1.369	1.369	1.683	1.452	1.517		1.478	8.82
41)		2-Chloronaphthale	1.093	1.047	1.325	1.110	1.172		1.150	9.38
42)		2-Nitroaniline	0.349	0.365	0.491	0.440	0.472		0.424	15.00
43)	S	Dimethylphthalate	1.280	1.288	1.642	1.369	1.454		1.407	10.61
44)		Dimethylphthalate	1.264	1.311	1.632	1.375	1.435		1.403	10.20
45)		2,6-Dinitrotoluen	0.220	0.231	0.322	0.279	0.304		0.271	16.38
46)	S	Acenaphthylene-d8	1.550	1.632	2.038	1.759	1.844		1.764	10.78
47)		Acenaphthylene	1.582	1.598	2.026	1.745	1.839		1.758	10.46
48)		3-Nitroaniline		0.249	0.337	0.289	0.276	0.247	0.280	13.10
49)	C	Acenaphthene	1.160	1.161	1.393	1.192	1.266		1.234	7.97
50)		2,4-Dinitrophenol		0.130	0.191	0.179	0.207	0.225	0.186	19.20
51)	S	4-Nitrophenol-d4		0.215	0.287	0.250	0.269	0.276	0.259	10.91

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM032317MA.M
Title : SVOA CALIBRATION
Last Update : Fri Mar 24 04:55:42 2017
Response Via : Initial Calibration

Calibration Files
5 =BM009338.D 10 =BM009339.D 20 =BM009351.D
40 =BM009341.D 80 =BM009342.D 160 =BM009343.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.258	0.342	0.295	0.309	0.316	0.304	10.25
53)		Dibenzofuran	1.709	1.659	2.052	1.728	1.798		1.789	8.66
54)		2,4-Dinitrotoluen	0.336	0.352	0.476	0.416	0.448		0.405	14.88
55)		2,3,4,6-Tetrachlo	0.321	0.336	0.444	0.392	0.420		0.383	13.84
56)		Diethylphthalate	1.282	1.321	1.673	1.433	1.487		1.439	10.74
57)	S	Fluorene-d10	1.211	1.205	1.466	1.257	1.313		1.290	8.32
58)		Fluorene	1.329	1.338	1.666	1.442	1.520		1.459	9.61
59)		4-Chlorophenyl-ph	0.711	0.745	0.888	0.750	0.797		0.778	8.83
60)		4-Nitroaniline		0.271	0.348	0.316	0.283	0.266	0.297	11.72
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.097	0.123	0.124	0.139	0.150	0.126	15.79
63)		4,6-Dinitro-2-met		0.112	0.134	0.134	0.145	0.155	0.136	11.77
64)		N-Nitrosodiphenyl	0.548	0.597	0.630	0.609	0.634		0.603	5.77
65)		4-Bromophenyl-phe	0.208	0.208	0.236	0.229	0.239		0.224	6.77
66)		Hexachlorobenzene	0.236	0.253	0.260	0.251	0.263		0.252	4.11
67)		Atrazine		0.201	0.233	0.225	0.242	0.250	0.230	8.15
68)	C	Pentachlorophenol		0.118	0.150	0.152	0.168	0.177	0.153	14.83
69)		Phenanthrene	1.098	1.086	1.156	1.117	1.172		1.126	3.29
70)	S	Anthracene-d10	0.892	0.909	0.990	0.960	1.017		0.954	5.54
71)		Anthracene	1.070	1.133	1.187	1.163	1.211		1.153	4.73
72)		1,2,3,4-Tetrachlo	0.293	0.277	0.301	0.291	0.308		0.294	3.94
73)		Pentachlorobenzen	0.281	0.287	0.301	0.288	0.297		0.291	2.77
74)		Carbazole		0.961	1.046	1.025	1.063	1.100	1.039	4.96
75)		Di-n-butylphthala	0.949	1.018	1.204	1.171	1.267		1.122	11.88
76)	C	Fluoranthene		1.271	1.374	1.327	1.418	1.415	1.361	4.58
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.789	0.798	0.863	0.865	0.924		0.848	6.53
79)		Pyrene	1.030	1.047	1.108	1.119	1.190		1.099	5.82
80)		Butylbenzylphthal	0.327	0.355	0.419	0.428	0.476		0.401	14.87
81)		3,3'-Dichlorobenz		0.367	0.397	0.407	0.404	0.344	0.384	7.10
82)		Benzo(a)anthracen	1.088	1.081	1.152	1.157	1.208		1.137	4.67
83)		Bis(2-ethylhexyl)	0.500	0.522	0.605	0.619	0.695		0.588	13.36
84)		Chrysene	1.043	1.044	1.084	1.084	1.133		1.078	3.45
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		0.976	1.116	1.178	1.278	1.255	1.161	10.45
87)		Benzo(b)fluoranth	1.132	1.177	1.242	1.219	1.269		1.208	4.49
88)		Benzo(k)fluoranth	1.064	1.079	1.182	1.208	1.220		1.151	6.42
89)	S	Benzo(a)pyrene-d1	0.866	0.880	0.933	0.954	0.973		0.921	5.07
90)	C	Benzo(a)pyrene	1.068	1.091	1.184	1.194	1.220		1.152	5.83
91)		Indeno(1,2,3-cd)p	1.228	1.243	1.331	1.354	1.400		1.311	5.61
92)		Dibenzo(a,h)anthr	1.074	1.055	1.140	1.153	1.194		1.123	5.14
93)		Benzo(g,h,i)peryl	1.069	1.048	1.097	1.106	1.143		1.092	3.34

(#) = Out of Range