Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM070216.M
Title : SVOA CALIBRATION
Last Update : Mon Jul 04 01:54:46 2016
Response Via : Initial Calibration

Calibration Files
5 =BM006185.D 10 =BM006186.D 20 =BM006238.D
40 =BM006188.D 80 =BM006189.D 160 =BM006190.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.602	0.527	0.496	0.475	0.460		0.512	11.00
3)	S	1,4-Dioxane-d8	0.520	0.475	0.476	0.443	0.425		0.468	7.72
4)		Benzaldehyde		1.297	1.299	1.190	0.946	0.685	1.083	24.46
5)	S	Phenol-d5		1.890	1.915	1.896	1.908	1.754	1.873	3.57
6)		Phenol		1.971	1.995	1.993	1.985	1.788	1.946	4.59
7)	S	Bis-(2-Chloroethy		1.171	1.155	1.118	1.084	0.997	1.105	6.29
8)		Bis(2-Chloroethyl		1.540	1.514	1.444	1.413	1.277	1.438	7.21
9)	S	2-Chlorophenol-d4	1.446	1.469	1.442	1.408	1.403		1.433	1.92
10)		2-Chlorophenol	1.541	1.492	1.486	1.457	1.444		1.484	2.53
11)		2-Methylphenol		1.532	1.539	1.517	1.505	1.361	1.491	4.95
12)		2,2'-oxybis(1-Chl		2.270	2.226	2.174	2.119	1.947	2.147	5.85
13)	S	4-Methylphenol-d8		1.553	1.567	1.524	1.520	1.413	1.516	4.00
14)		Acetophenone		2.548	2.489	2.368	2.246	1.899	2.310	11.15
15)	P	N-Nitroso-di-n-pr	1.409	1.347	1.361	1.275	1.205		1.319	6.07
16)		4-Methylphenol		1.697	1.689	1.651	1.624	1.430	1.618	6.75
17)		Hexachloroethane	0.644	0.613	0.615	0.592	0.574		0.608	4.35
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.163	0.157	0.160	0.161	0.156		0.159	1.67
20)		Nitrobenzene	0.434	0.420	0.416	0.406	0.396		0.415	3.45
21)		Isophorone	0.827	0.792	0.798	0.783	0.749		0.790	3.57
22)	S	2-Nitrophenol-d4	0.180	0.180	0.183	0.182	0.178		0.181	1.20
23)	C	2-Nitrophenol	0.196	0.195	0.196	0.197	0.190		0.195	1.48
24)		2,4-Dimethylpheno	0.421	0.417	0.416	0.411	0.391		0.411	2.88
25)		Bis(2-Chloroethox	0.503	0.488	0.474	0.459	0.435		0.472	5.55
26)	S	2,4-Dichloropheno	0.339	0.333	0.325	0.327	0.314		0.327	2.83
27)	C	2,4-Dichloropheno	0.335	0.326	0.324	0.326	0.308		0.324	3.03
28)		Naphthalene	1.109	1.053	1.026	1.012	0.945		1.029	5.83
29)	S	4-Chloroaniline-d		0.325	0.358	0.404	0.354	0.259	0.340	15.63
30)		4-Chloroaniline		0.341	0.371	0.422	0.367	0.266	0.353	16.08
31)	C	Hexachlorobutadie	0.213	0.209	0.203	0.198	0.189		0.202	4.67
32)		Caprolactam		0.128	0.129	0.131	0.131	0.123	0.128	2.55
33)	C	4-Chloro-3-methyl	0.415	0.402	0.396	0.389	0.375		0.395	3.76
34)		2-Methylnaphthale	0.841	0.807	0.790	0.758	0.709		0.781	6.40
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.698	0.689	0.675	0.654	0.607		0.665	5.44
37)		Hexachlorocyclope		0.362	0.382	0.394	0.394	0.359	0.378	4.54
38)	C	2,4,6-Trichloroph	0.489	0.473	0.475	0.469	0.443		0.470	3.59
39)		2,4,5-Trichloroph	0.500	0.495	0.509	0.486	0.463		0.491	3.55
40)		1,1'-Biphenyl	1.775	1.735	1.667	1.603	1.467		1.649	7.35
41)		2-Chloronaphthale	1.386	1.329	1.289	1.258	1.165		1.285	6.42
42)		2-Nitroaniline	0.491	0.489	0.504	0.495	0.473		0.491	2.26
43)	S	Dimethylphthalate	1.776	1.734	1.673	1.626	1.536		1.669	5.61
44)		Dimethylphthalate	1.802	1.752	1.691	1.630	1.513		1.678	6.69
45)		2,6-Dinitrotoluen	0.370	0.369	0.366	0.364	0.349		0.364	2.32
46)	S	Acenaphthylene-d8	2.209	2.152	2.087	2.016	1.870		2.067	6.38
47)		Acenaphthylene	2.336	2.275	2.199	2.108	1.929		2.169	7.35
48)		3-Nitroaniline		0.342	0.355	0.378	0.321	0.265	0.332	12.85
49)	C	Acenaphthene	1.508	1.449	1.383	1.334	1.216		1.378	8.14
50)		2,4-Dinitrophenol		0.173	0.190	0.215	0.222	0.212	0.202	10.14
51)	S	4-Nitrophenol-d4		0.332	0.329	0.330	0.316	0.274	0.316	7.73

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM070216.M
Title : SVOA CALIBRATION
Last Update : Mon Jul 04 01:54:46 2016
Response Via : Initial Calibration

Calibration Files
5 =BM006185.D 10 =BM006186.D 20 =BM006238.D
40 =BM006188.D 80 =BM006189.D 160 =BM006190.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.326	0.330	0.328	0.319	0.288	0.318	5.42
53)		Dibenzofuran	2.161	2.091	2.005	1.895	1.683		1.967	9.53
54)		2,4-Dinitrotoluen	0.526	0.524	0.529	0.519	0.470		0.514	4.77
55)		2,3,4,6-Tetrachlo	0.449	0.455	0.452	0.442	0.416		0.442	3.58
56)		Diethylphthalate	1.884	1.823	1.769	1.700	1.580		1.751	6.70
57)	S	Fluorene-d10	1.588	1.513	1.447	1.378	1.269		1.439	8.54
58)		Fluorene	1.807	1.698	1.622	1.496	1.262		1.577	13.29
59)		4-Chlorophenyl-ph	0.890	0.847	0.790	0.728	0.616		0.774	13.86
60)		4-Nitroaniline		0.443	0.437	0.416	0.345	0.318	0.392	14.47
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.112	0.122	0.124	0.120	0.107	0.117	6.05
63)		4,6-Dinitro-2-met		0.125	0.132	0.134	0.129	0.110	0.126	7.39
64)		N-Nitrosodiphenyl	0.659	0.640	0.609	0.587	0.527		0.604	8.52
65)		4-Bromophenyl-phe	0.244	0.234	0.227	0.217	0.197		0.224	8.04
66)		Hexachlorobenzene	0.270	0.262	0.251	0.237	0.215		0.247	8.81
67)		Atrazine		0.251	0.241	0.232	0.214	0.178	0.223	12.87
68)	C	Pentachlorophenol		0.124	0.131	0.140	0.140	0.122	0.131	6.50
69)		Phenanthrene	1.232	1.167	1.132	1.081	0.965		1.116	9.03
70)	S	Anthracene-d10	1.052	1.016	0.966	0.913	0.824		0.954	9.40
71)		Anthracene	1.288	1.219	1.174	1.107	0.973		1.152	10.39
72)		Carbazole		1.110	1.061	1.011	0.906	0.741	0.966	15.17
73)		Di-n-butylphthala	1.466	1.396	1.366	1.272	1.136		1.327	9.61
74)	C	Fluoranthene		1.457	1.396	1.312	1.145	0.898	1.242	18.13
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.027	0.999	0.944	0.929	0.869		0.954	6.51
77)		Pyrene	1.373	1.328	1.260	1.203	1.107		1.254	8.35
78)		Butylbenzylphthal	0.613	0.595	0.571	0.561	0.525		0.573	5.89
79)		3,3'-Dichlorobenz		0.451	0.420	0.402	0.318	0.258	0.370	21.49
80)		Benzo(a)anthracen	1.343	1.299	1.236	1.177	1.079		1.227	8.45
81)		Bis(2-ethylhexyl)	0.883	0.842	0.785	0.715	0.619		0.769	13.66
82)		Chrysene	1.234	1.196	1.130	1.069	0.972		1.120	9.29
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.399	1.340	1.232	1.090	0.878	1.188	17.61
85)		Benzo(b)fluoranth	1.302	1.272	1.190	1.159	0.998		1.184	10.08
86)		Benzo(k)fluoranth	1.270	1.183	1.147	1.031	0.879		1.102	13.72
87)	S	Benzo(a)pyrene-d1	1.017	0.985	0.936	0.889	0.820		0.929	8.39
88)	C	Benzo(a)pyrene	1.280	1.215	1.168	1.094	0.974		1.146	10.29
89)		Indeno(1,2,3-cd)p	1.489	1.402	1.322	1.241	1.102		1.311	11.35
90)		Dibenzo(a,h)anthr	1.240	1.171	1.105	1.013	0.876		1.081	13.12
91)		Benzo(g,h,i)peryl	1.233	1.183	1.133	1.101	1.005		1.131	7.67

(#) = Out of Range