Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM112916.M
Title : SVOA CALIBRATION
Last Update : Wed Nov 30 10:28:38 2016
Response Via : Initial Calibration

Calibration Files
5 =BM008103.D 10 =BM008104.D 20 =BM008105.D
40 =BM008106.D 80 =BM008107.D 160 =BM008108.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.444	0.467	0.481	0.480	0.451		0.465	3.59
3)	S	1,4-Dioxane-d8	0.396	0.400	0.423	0.403	0.400		0.405	2.57
4)		Benzaldehyde		1.111	1.084	1.083	1.091	1.028	1.079	2.86
5)	S	Phenol-d5		1.416	1.453	1.516	1.582	1.488	1.491	4.25
6)		Phenol		1.466	1.509	1.535	1.622	1.521	1.531	3.73
7)	S	Bis-(2-Chloroethy		0.836	0.861	0.865	0.884	0.840	0.857	2.29
8)		Bis(2-Chloroethyl		1.136	1.148	1.174	1.200	1.151	1.162	2.18
9)	S	2-Chlorophenol-d4	1.082	1.130	1.148	1.179	1.230		1.154	4.81
10)		2-Chlorophenol	1.119	1.151	1.173	1.216	1.249		1.182	4.35
11)		2-Methylphenol		1.109	1.092	1.152	1.197	1.124	1.135	3.64
12)		2,2'-oxybis(1-Chl		1.313	1.289	1.298	1.328	1.228	1.291	2.96
13)	S	4-Methylphenol-d8		1.111	1.122	1.182	1.243	1.136	1.159	4.69
14)		Acetophenone		1.821	1.808	1.877	1.958	1.804	1.854	3.53
15)	P	N-Nitroso-di-n-pr	0.959	1.006	0.934	0.961	1.004		0.973	3.20
16)		4-Methylphenol		1.203	1.184	1.244	1.295	1.188	1.223	3.82
17)		Hexachloroethane	0.529	0.517	0.538	0.520	0.531		0.527	1.60
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.135	0.139	0.143	0.150	0.151		0.144	4.82
20)		Nitrobenzene	0.333	0.348	0.355	0.376	0.372		0.357	4.95
21)		Isophorone	0.636	0.650	0.649	0.680	0.675		0.658	2.83
22)	S	2-Nitrophenol-d4	0.148	0.157	0.162	0.173	0.177		0.163	7.20
23)	C	2-Nitrophenol	0.151	0.160	0.167	0.176	0.179		0.167	6.98
24)		2,4-Dimethylpheno	0.342	0.345	0.356	0.371	0.374		0.358	4.06
25)		Bis(2-Chloroethox	0.372	0.372	0.378	0.393	0.393		0.382	2.81
26)	S	2,4-Dichloropheno	0.279	0.286	0.294	0.314	0.315		0.298	5.49
27)	C	2,4-Dichloropheno	0.267	0.280	0.289	0.310	0.310		0.291	6.48
28)		Naphthalene	0.907	0.899	0.930	0.958	0.951		0.929	2.78
29)	S	4-Chloroaniline-d		0.263	0.280	0.310	0.319	0.276	0.290	8.25
30)		4-Chloroaniline		0.287	0.289	0.315	0.322	0.279	0.298	6.36
31)	C	Hexachlorobutadie	0.220	0.224	0.235	0.240	0.235		0.231	3.63
32)		Caprolactam		0.083	0.085	0.095	0.090	0.089	0.088	5.05
33)	C	4-Chloro-3-methyl	0.289	0.299	0.310	0.335	0.331		0.313	6.34
34)		2-Methylnaphthale	0.641	0.652	0.658	0.691	0.683		0.665	3.21
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.589	0.595	0.637	0.632	0.652		0.621	4.45
37)		Hexachlorocyclope		0.207	0.265	0.309	0.371	0.385	0.308	24.00
38)	C	2,4,6-Trichloroph	0.344	0.365	0.375	0.386	0.393		0.372	5.17
39)		2,4,5-Trichloroph	0.362	0.382	0.403	0.403	0.423		0.395	5.84
40)		1,1'-Biphenyl	1.293	1.319	1.357	1.367	1.403		1.348	3.18
41)		2-Chloronaphthale	0.974	1.007	1.051	1.058	1.060		1.030	3.70
42)		2-Nitroaniline	0.247	0.276	0.307	0.319	0.321		0.294	10.91
43)	S	Dimethylphthalate	1.226	1.251	1.310	1.349	1.310		1.289	3.86
44)		Dimethylphthalate	1.193	1.234	1.301	1.312	1.280		1.264	3.92
45)		2,6-Dinitrotoluen	0.210	0.239	0.258	0.274	0.272		0.251	10.63
46)	S	Acenaphthylene-d8	1.464	1.545	1.622	1.638	1.649		1.584	4.94
47)		Acenaphthylene	1.494	1.560	1.641	1.652	1.643		1.598	4.32
48)		3-Nitroaniline		0.211	0.240	0.252	0.247	0.225	0.235	7.06
49)	C	Acenaphthene	1.049	1.061	1.113	1.122	1.114		1.092	3.12
50)		2,4-Dinitrophenol		0.110	0.143	0.172	0.177	0.189	0.158	19.92
51)	S	4-Nitrophenol-d4		0.155	0.192	0.220	0.212	0.217	0.199	13.49

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM112916.M
Title : SVOA CALIBRATION
Last Update : Wed Nov 30 10:28:38 2016
Response Via : Initial Calibration

Calibration Files
5 =BM008103.D 10 =BM008104.D 20 =BM008105.D
40 =BM008106.D 80 =BM008107.D 160 =BM008108.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.145	0.188	0.203	0.198	0.203	0.187	13.09
53)		Dibenzofuran	1.487	1.516	1.575	1.610	1.576		1.553	3.21
54)		2,4-Dinitrotoluen	0.302	0.335	0.370	0.401	0.377		0.357	10.86
55)		2,3,4,6-Tetrachlo	0.324	0.337	0.362	0.380	0.368		0.354	6.49
56)		Diethylphthalate	1.498	1.355	1.341	1.331	1.242		1.353	6.82
57)	S	Fluorene-d10	1.067	1.080	1.139	1.154	1.123		1.112	3.38
58)		Fluorene	1.211	1.234	1.281	1.310	1.268		1.261	3.11
59)		4-Chlorophenyl-ph	0.637	0.643	0.684	0.695	0.678		0.667	3.86
60)		4-Nitroaniline		0.188	0.231	0.250	0.252	0.258	0.236	12.10
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.095	0.110	0.124	0.130	0.134	0.119	13.26
63)		4,6-Dinitro-2-met		0.097	0.117	0.127	0.134	0.136	0.122	13.05
64)		N-Nitrosodiphenyl	0.537	0.548	0.550	0.566	0.589		0.558	3.58
65)		4-Bromophenyl-phe	0.218	0.217	0.220	0.221	0.238		0.223	3.89
66)		Hexachlorobenzene	0.235	0.243	0.244	0.247	0.257		0.245	3.27
67)		Atrazine		0.206	0.214	0.225	0.225	0.224	0.219	3.89
68)	C	Pentachlorophenol		0.124	0.135	0.145	0.150	0.155	0.142	8.82
69)		Phenanthrene	0.973	0.977	1.008	1.027	1.015		1.000	2.36
70)	S	Anthracene-d10	0.827	0.840	0.863	0.890	0.882		0.860	3.11
71)		Anthracene	0.982	0.976	1.034	1.065	1.046		1.021	3.89
72)		Carbazole		0.828	0.891	0.930	0.885	0.897	0.886	4.18
73)		Di-n-butylphthala	1.023	1.000	1.071	1.109	1.050		1.051	4.03
74)	C	Fluoranthene		1.061	1.200	1.237	1.131	1.178	1.161	5.88
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.786	0.819	0.781	0.795	0.867		0.809	4.36
77)		Pyrene	1.019	1.060	0.982	1.003	1.081		1.029	3.98
78)		Butylbenzylphthal	0.367	0.393	0.393	0.406	0.423		0.396	5.24
79)		3,3'-Dichlorobenz		0.309	0.360	0.374	0.375	0.347	0.353	7.63
80)		Benzo(a)anthracen	1.011	1.013	1.032	1.050	1.055		1.032	1.96
81)		Bis(2-ethylhexyl)	0.605	0.575	0.584	0.599	0.623		0.597	3.08
82)		Chrysene	0.950	0.951	0.982	0.997	0.993		0.975	2.31
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.005	1.011	1.028	1.096	1.008	1.030	3.72
85)		Benzo(b)fluoranth	1.022	1.038	1.076	1.073	1.146		1.071	4.48
86)		Benzo(k)fluoranth	0.985	0.985	1.004	1.046	1.029		1.010	2.70
87)	S	Benzo(a)pyrene-d1	0.809	0.802	0.834	0.850	0.870		0.833	3.40
88)	C	Benzo(a)pyrene	0.989	0.994	1.028	1.063	1.072		1.029	3.72
89)		Indeno(1,2,3-cd)p	1.203	1.210	1.268	1.286	1.308		1.255	3.71
90)		Dibenzo(a,h)anthr	1.019	1.027	1.067	1.086	1.094		1.058	3.22
91)		Benzo(g,h,i)peryl	0.998	1.014	1.056	1.065	1.085		1.044	3.48

(#) = Out of Range