Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM020615.M
Title : SVOA CALIBRATION
Last Update : Sat Feb 07 02:21:00 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000409.D 10 =BM000410.D 20 =BM000444.D
40 =BM000412.D 80 =BM000413.D 160 =BM000414.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.461	0.386	0.374	0.349	0.349		0.384	12.06
3)	S	1,4-Dioxane-d8	0.359	0.303	0.348	0.322	0.307		0.328	7.54
4)		Benzaldehyde		0.399	0.436	0.485	0.506	0.445	0.454	9.27
5)	S	Phenol-d5		1.290	1.377	1.439	1.500	1.488	1.419	6.11
6)		Phenol		1.344	1.408	1.460	1.514	1.508	1.447	4.94
7)	S	Bis-(2-Chloroethy		0.845	0.838	0.858	0.861	0.834	0.847	1.42
8)		Bis(2-Chloroethyl		1.078	1.131	1.140	1.126	1.093	1.113	2.39
9)	S	2-Chlorophenol-d4	1.097	1.096	1.189	1.209	1.251		1.169	5.92
10)		2-Chlorophenol	1.145	1.159	1.217	1.221	1.261		1.201	4.00
11)		2-Methylphenol		1.076	1.092	1.196	1.255	1.231	1.170	6.96
12)		2,2'-oxybis(1-Chl		2.391	2.295	2.357	2.327	2.219	2.318	2.83
13)	S	4-Methylphenol-d8		1.132	1.168	1.253	1.279	1.266	1.219	5.38
14)		Acetophenone		1.965	1.907	2.024	2.059	2.018	1.995	2.97
15)	P	N-Nitroso-di-n-pr	0.902	0.922	0.906	1.012	1.023		0.953	6.22
16)		4-Methylphenol		1.163	1.218	1.311	1.337	1.311	1.268	5.84
17)		Hexachloroethane	0.527	0.540	0.525	0.556	0.562		0.542	3.06
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.108	0.115	0.131	0.136	0.136		0.125	10.29
20)		Nitrobenzene	0.333	0.358	0.360	0.381	0.384		0.363	5.70
21)		Isophorone	0.581	0.599	0.600	0.677	0.679		0.627	7.52
22)	S	2-Nitrophenol-d4	0.127	0.129	0.146	0.155	0.160		0.143	10.50
23)	C	2-Nitrophenol	0.123	0.142	0.160	0.167	0.167		0.152	12.59
24)		2,4-Dimethylpheno	0.363	0.377	0.377	0.407	0.402		0.385	4.84
25)		Bis(2-Chloroethox	0.370	0.357	0.361	0.372	0.365		0.365	1.68
26)	S	2,4-Dichloropheno	0.293	0.294	0.323	0.336	0.336		0.316	6.80
27)	C	2,4-Dichloropheno	0.291	0.298	0.310	0.316	0.321		0.307	4.03
28)		Naphthalene	1.016	0.976	1.026	1.003	0.979		1.000	2.19
29)	S	4-Chloroaniline-d		0.267	0.308	0.316	0.303	0.269	0.293	7.75
30)		4-Chloroaniline		0.280	0.322	0.327	0.306	0.275	0.302	7.86
31)	C	Hexachlorobutadie	0.247	0.235	0.233	0.239	0.241		0.239	2.28
32)		Caprolactam		0.068	0.068	0.094	0.092	0.096	0.083	17.03
33)	C	4-Chloro-3-methyl	0.329	0.347	0.332	0.372	0.375		0.351	6.14
34)		2-Methylnaphthale	0.788	0.754	0.754	0.764	0.748		0.762	2.09
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.649	0.633	0.678	0.629	0.636		0.645	3.13
37)		Hexachlorocyclope		0.326	0.399	0.400	0.425	0.432	0.397	10.64
38)	C	2,4,6-Trichloroph	0.323	0.319	0.378	0.392	0.411		0.365	11.41
39)		2,4,5-Trichloroph	0.371	0.357	0.415	0.429	0.448		0.404	9.57
40)		1,1'-Biphenyl	1.618	1.534	1.624	1.552	1.557		1.577	2.61
41)		2-Chloronaphthale	1.228	1.169	1.278	1.210	1.199		1.217	3.32
42)		2-Nitroaniline	0.276	0.292	0.311	0.397	0.412		0.338	18.51
43)	S	Dimethylphthalate	1.409	1.425	1.436	1.487	1.493		1.450	2.61
44)		Dimethylphthalate	1.589	1.576	1.583	1.607	1.594		1.590	0.72
45)		2,6-Dinitrotoluen	0.214	0.260	0.283	0.316	0.327		0.280	16.15
46)	S	Acenaphthylene-d8	1.806	1.866	1.968	1.931	1.932		1.901	3.39
47)		Acenaphthylene	1.956	1.927	2.040	1.961	1.970		1.971	2.14
48)		3-Nitroaniline		0.211	0.263	0.290	0.285	0.255	0.261	12.11
49)	C	Acenaphthene	1.328	1.259	1.338	1.266	1.279		1.294	2.80
50)		2,4-Dinitrophenol		0.100	0.126	0.176	0.196	0.216	0.163	29.93
51)	S	4-Nitrophenol-d4		0.192	0.226	0.266	0.264	0.276	0.245	14.25

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM020615.M
Title : SVOA CALIBRATION
Last Update : Sat Feb 07 02:21:00 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000409.D 10 =BM000410.D 20 =BM000444.D
40 =BM000412.D 80 =BM000413.D 160 =BM000414.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.297	0.281	0.382	0.385	0.391	0.347	15.46
53)		Dibenzofuran	1.994	1.869	1.962	1.895	1.864		1.917	3.04
54)		2,4-Dinitrotoluen	0.369	0.409	0.417	0.480	0.484		0.432	11.38
55)		2,3,4,6-Tetrachlo	0.311	0.334	0.349	0.390	0.403		0.357	10.72
56)		Diethylphthalate	1.624	1.614	1.551	1.730	1.707		1.645	4.43
57)	S	Fluorene-d10	1.507	1.396	1.420	1.426	1.400		1.430	3.13
58)		Fluorene	1.662	1.537	1.579	1.582	1.581		1.588	2.87
59)		4-Chlorophenyl-ph	0.832	0.818	0.813	0.815	0.808		0.817	1.11
60)		4-Nitroaniline		0.245	0.284	0.335	0.335	0.313	0.302	12.68
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.085	0.108	0.114	0.119	0.124	0.110	13.83
63)		4,6-Dinitro-2-met		0.094	0.111	0.120	0.122	0.126	0.115	11.17
64)		N-Nitrosodiphenyl	0.549	0.545	0.584	0.555	0.562		0.559	2.76
65)		4-Bromophenyl-phe	0.207	0.191	0.209	0.206	0.207		0.204	3.59
66)		Hexachlorobenzene	0.240	0.233	0.242	0.232	0.233		0.236	2.00
67)		Atrazine		0.189	0.197	0.218	0.217	0.214	0.207	6.23
68)	C	Pentachlorophenol		0.098	0.112	0.136	0.146	0.153	0.129	17.86
69)		Phenanthrene	1.098	1.049	1.108	1.075	1.053		1.077	2.45
70)	S	Anthracene-d10	0.937	0.884	0.941	0.928	0.914		0.921	2.50
71)		Anthracene	1.105	1.058	1.126	1.102	1.068		1.092	2.57
72)		Carbazole		0.891	0.968	0.968	0.933	0.927	0.937	3.44
73)		Di-n-butylphthala	0.964	0.976	1.039	1.162	1.141		1.056	8.69
74)	C	Fluoranthene		1.165	1.234	1.285	1.192	1.160	1.207	4.35
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.986	1.028	0.986	0.962	1.065		1.006	4.06
77)		Pyrene	1.307	1.379	1.282	1.257	1.366		1.318	4.02
78)		Butylbenzylphthal	0.371	0.399	0.434	0.511	0.553		0.453	16.82
79)		3,3'-Dichlorobenz		0.289	0.352	0.380	0.347	0.330	0.340	9.93
80)		Benzo(a)anthracen	1.153	1.129	1.178	1.156	1.152		1.153	1.50
81)		Bis(2-ethylhexyl)	0.538	0.539	0.613	0.717	0.767		0.635	16.38
82)		Chrysene	1.143	1.082	1.118	1.084	1.072		1.100	2.68
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.064	1.137	1.398	1.553	1.586	1.348	17.63
85)		Benzo(b)fluoranth	1.209	1.176	1.229	1.271	1.315		1.240	4.37
86)		Benzo(k)fluoranth	1.194	1.178	1.213	1.226	1.189		1.200	1.63
87)	S	Benzo(a)pyrene-d1	0.874	0.873	0.922	0.951	0.942		0.912	4.05
88)	C	Benzo(a)pyrene	1.092	1.091	1.166	1.166	1.147		1.132	3.39
89)		Indeno(1,2,3-cd)p	1.036	1.090	1.277	1.189	1.147		1.148	8.06
90)		Dibenzo(a,h)anthr	0.873	0.916	1.084	0.990	0.962		0.965	8.30
91)		Benzo(g,h,i)peryl	0.873	0.899	1.095	0.988	0.956		0.962	9.06

(#) = Out of Range