Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM020315.M
Title : SVOA CALIBRATION
Last Update : Tue Feb 03 12:57:43 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000409.D 10 =BM000410.D 20 =BM000411.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	0.400	0.349	0.349		0.389	11.92
3)	S	1,4-Dioxane-d8	0.359	0.303	0.355	0.322	0.307		0.329	7.96
4)		Benzaldehyde		0.399	0.457	0.485	0.506	0.445	0.458	8.90
5)	S	Phenol-d5		1.290	1.475	1.439	1.500	1.488	1.439	5.97
6)		Phenol		1.344	1.504	1.460	1.514	1.508	1.466	4.87
7)	S	Bis-(2-Chloroethy		0.845	0.901	0.858	0.861	0.834	0.860	2.95
8)		Bis(2-Chloroethyl		1.078	1.171	1.140	1.126	1.093	1.121	3.30
9)	S	2-Chlorophenol-d4	1.097	1.096	1.254	1.209	1.251		1.182	6.72
10)		2-Chlorophenol	1.145	1.159	1.233	1.221	1.261		1.204	4.14
11)		2-Methylphenol		1.076	1.235	1.196	1.255	1.231	1.198	5.99
12)		2,2'-oxybis(1-Chl		2.391	2.506	2.357	2.327	2.219	2.360	4.40
13)	S	4-Methylphenol-d8		1.132	1.256	1.253	1.279	1.266	1.237	4.84
14)		Acetophenone		1.965	2.167	2.024	2.059	2.018	2.046	3.68
15)	P	N-Nitroso-di-n-pr	0.902	0.922	1.041	1.012	1.023		0.980	6.45
16)		4-Methylphenol		1.163	1.339	1.311	1.337	1.311	1.292	5.68
17)		Hexachloroethane	0.527	0.540	0.567	0.556	0.562		0.550	2.99
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.108	0.115	0.129	0.136	0.136		0.125	10.15
20)		Nitrobenzene	0.333	0.358	0.376	0.381	0.384		0.366	5.81
21)		Isophorone	0.581	0.599	0.672	0.677	0.679		0.642	7.43
22)	S	2-Nitrophenol-d4	0.127	0.129	0.143	0.155	0.160		0.143	10.51
23)	C	2-Nitrophenol	0.123	0.142	0.159	0.167	0.167		0.152	12.56
24)		2,4-Dimethylpheno	0.363	0.377	0.404	0.407	0.402		0.391	5.04
25)		Bis(2-Chloroethox	0.370	0.357	0.373	0.372	0.365		0.367	1.76
26)	S	2,4-Dichloropheno	0.293	0.294	0.325	0.336	0.336		0.317	6.84
27)	C	2,4-Dichloropheno	0.291	0.298	0.321	0.316	0.321		0.309	4.51
28)		Naphthalene	1.016	0.976	1.010	1.003	0.979		0.997	1.81
29)	S	4-Chloroaniline-d		0.267	0.311	0.316	0.303	0.269	0.293	7.94
30)		4-Chloroaniline		0.280	0.328	0.327	0.306	0.275	0.303	8.29
31)	C	Hexachlorobutadie	0.247	0.235	0.243	0.239	0.241		0.241	1.89
32)		Caprolactam		0.068	0.084	0.094	0.092	0.096	0.087	12.99
33)	C	4-Chloro-3-methyl	0.329	0.347	0.373	0.372	0.375		0.359	5.62
34)		2-Methylnaphthale	0.788	0.754	0.784	0.764	0.748		0.768	2.31
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.649	0.633	0.665	0.629	0.636		0.642	2.29
37)		Hexachlorocyclope		0.326	0.380	0.400	0.425	0.432	0.393	10.89
38)	C	2,4,6-Trichloroph	0.323	0.319	0.385	0.392	0.411		0.366	11.54
39)		2,4,5-Trichloroph	0.371	0.357	0.439	0.429	0.448		0.409	10.23
40)		1,1'-Biphenyl	1.618	1.534	1.622	1.552	1.557		1.577	2.57
41)		2-Chloronaphthale	1.228	1.169	1.249	1.210	1.199		1.211	2.47
42)		2-Nitroaniline	0.276	0.292	0.382	0.397	0.412		0.352	17.88
43)	S	Dimethylphthalate	1.409	1.425	1.599	1.487	1.493		1.483	5.03
44)		Dimethylphthalate	1.589	1.576	1.705	1.607	1.594		1.614	3.21
45)		2,6-Dinitrotoluen	0.214	0.260	0.317	0.316	0.327		0.287	16.80
46)	S	Acenaphthylene-d8	1.806	1.866	1.980	1.931	1.932		1.903	3.56
47)		Acenaphthylene	1.956	1.927	2.069	1.961	1.970		1.976	2.74
48)		3-Nitroaniline		0.211	0.281	0.290	0.285	0.255	0.264	12.46
49)	C	Acenaphthene	1.328	1.259	1.331	1.266	1.279		1.293	2.64
50)		2,4-Dinitrophenol		0.100	0.148	0.176	0.196	0.216	0.167	27.20
51)	S	4-Nitrophenol-d4		0.192	0.254	0.266	0.264	0.276	0.250	13.32

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.297	0.375	0.382	0.385	0.391	0.366	10.72
53)		Dibenzofuran	1.994	1.869	2.008	1.895	1.864		1.926	3.61
54)		2,4-Dinitrotoluen	0.369	0.409	0.485	0.480	0.484		0.445	11.96
55)		2,3,4,6-Tetrachlo	0.311	0.334	0.399	0.390	0.403		0.367	11.43
56)		Diethylphthalate	1.624	1.614	1.793	1.730	1.707		1.694	4.43
57)	S	Fluorene-d10	1.507	1.396	1.510	1.426	1.400		1.448	3.90
58)		Fluorene	1.662	1.537	1.655	1.582	1.581		1.603	3.35
59)		4-Chlorophenyl-ph	0.832	0.818	0.864	0.815	0.808		0.828	2.70
60)		4-Nitroaniline		0.245	0.319	0.335	0.335	0.313	0.310	12.04
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.085	0.104	0.114	0.119	0.124	0.109	14.15
63)		4,6-Dinitro-2-met		0.094	0.112	0.120	0.122	0.126	0.115	11.14
64)		N-Nitrosodiphenyl	0.549	0.545	0.572	0.555	0.562		0.557	1.89
65)		4-Bromophenyl-phe	0.207	0.191	0.211	0.206	0.207		0.205	3.78
66)		Hexachlorobenzene	0.240	0.233	0.240	0.232	0.233		0.236	1.79
67)		Atrazine		0.189	0.211	0.218	0.217	0.214	0.210	5.57
68)	C	Pentachlorophenol		0.098	0.126	0.136	0.146	0.153	0.132	16.16
69)		Phenanthrene	1.098	1.049	1.104	1.075	1.053		1.076	2.34
70)	S	Anthracene-d10	0.937	0.884	0.940	0.928	0.914		0.921	2.49
71)		Anthracene	1.105	1.058	1.121	1.102	1.068		1.091	2.43
72)		Carbazole		0.891	0.978	0.968	0.933	0.927	0.939	3.71
73)		Di-n-butylphthala	0.964	0.976	1.144	1.162	1.141		1.077	9.16
74)	C	Fluoranthene		1.165	1.313	1.285	1.192	1.160	1.223	5.82
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.986	1.028	0.988	0.962	1.065		1.006	4.04
77)		Pyrene	1.307	1.379	1.307	1.257	1.366		1.323	3.77
78)		Butylbenzylphthal	0.371	0.399	0.490	0.511	0.553		0.465	16.52
79)		3,3'-Dichlorobenz		0.289	0.358	0.380	0.347	0.330	0.341	10.08
80)		Benzo(a)anthracen	1.153	1.129	1.189	1.156	1.152		1.156	1.86
81)		Bis(2-ethylhexyl)	0.538	0.539	0.691	0.717	0.767		0.650	16.25
82)		Chrysene	1.143	1.082	1.127	1.084	1.072		1.102	2.82
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.064	1.347	1.398	1.553	1.586	1.390	14.96
85)		Benzo(b)fluoranth	1.209	1.176	1.319	1.271	1.315		1.258	5.07
86)		Benzo(k)fluoranth	1.194	1.178	1.227	1.226	1.189		1.203	1.87
87)	S	Benzo(a)pyrene-d1	0.874	0.873	0.956	0.951	0.942		0.919	4.57
88)	C	Benzo(a)pyrene	1.092	1.091	1.191	1.166	1.147		1.137	3.94
89)		Indeno(1,2,3-cd)p	1.036	1.090	1.158	1.189	1.147		1.124	5.40
90)		Dibenzo(a,h)anthr	0.873	0.916	0.975	0.990	0.962		0.943	5.08
91)		Benzo(g,h,i)peryl	0.873	0.899	0.964	0.988	0.956		0.936	5.12

(#) = Out of Range