Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\
Method File : SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION
Last Update : Thu Dec 15 16:47:56 2016
Response Via : Initial Calibration

Calibration Files
5 =BM008287.D 10 =BM008288.D 20 =BM008322.D
40 =BM008290.D 80 =BM008291.D 160 =BM008292.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.503	0.494	0.523	0.486	0.478		0.497	3.54
3)	S	1,4-Dioxane-d8	0.391	0.424	0.452	0.421	0.437		0.425	5.34
4)		Benzaldehyde		1.107	1.165	1.130	1.035	0.698	1.027	18.49
5)	S	Phenol-d5		1.464	1.572	1.542	1.598	1.581	1.551	3.43
6)		Phenol		1.523	1.636	1.615	1.652	1.630	1.611	3.17
7)	S	Bis-(2-Chloroethy		0.861	0.918	0.894	0.913	0.873	0.892	2.78
8)		Bis(2-Chloroethyl		1.171	1.238	1.197	1.224	1.183	1.203	2.33
9)	S	2-Chlorophenol-d4	1.049	1.130	1.221	1.197	1.240		1.167	6.68
10)		2-Chlorophenol	1.044	1.146	1.241	1.226	1.240		1.179	7.24
11)		2-Methylphenol		1.109	1.209	1.182	1.201	1.195	1.179	3.43
12)		2,2'-oxybis(1-Chl		1.370	1.398	1.387	1.372	1.310	1.367	2.50
13)	S	4-Methylphenol-d8		1.123	1.236	1.201	1.226	1.223	1.202	3.82
14)		Acetophenone		1.920	1.999	1.961	1.979	1.965	1.965	1.50
15)	P	N-Nitroso-di-n-pr	0.916	0.994	1.077	1.034	1.029		1.010	5.98
16)		4-Methylphenol		1.204	1.311	1.282	1.302	1.294	1.279	3.38
17)		Hexachloroethane	0.511	0.527	0.568	0.537	0.546		0.538	3.94
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.128	0.136	0.157	0.149	0.152		0.145	8.34
20)		Nitrobenzene	0.341	0.348	0.408	0.381	0.386		0.373	7.46
21)		Isophorone	0.589	0.654	0.719	0.696	0.692		0.670	7.59
22)	S	2-Nitrophenol-d4	0.136	0.145	0.175	0.170	0.175		0.160	11.48
23)	C	2-Nitrophenol	0.140	0.149	0.179	0.174	0.178		0.164	11.08
24)		2,4-Dimethylpheno	0.325	0.351	0.391	0.382	0.380		0.366	7.52
25)		Bis(2-Chloroethox	0.341	0.369	0.409	0.392	0.392		0.380	6.95
26)	S	2,4-Dichloropheno	0.239	0.277	0.323	0.311	0.318		0.294	12.06
27)	C	2,4-Dichloropheno	0.254	0.282	0.324	0.309	0.311		0.296	9.38
28)		Naphthalene	0.893	0.898	1.024	0.956	0.963		0.947	5.68
29)	S	4-Chloroaniline-d		0.309	0.386	0.360	0.335	0.292	0.336	11.21
30)		4-Chloroaniline		0.315	0.379	0.366	0.339	0.296	0.339	10.24
31)	C	Hexachlorobutadie	0.233	0.229	0.257	0.242	0.241		0.240	4.35
32)		Caprolactam		0.082	0.100	0.092	0.095	0.096	0.093	7.39
33)	C	4-Chloro-3-methyl	0.266	0.305	0.352	0.338	0.339		0.320	10.85
34)		2-Methylnaphthale	0.645	0.653	0.736	0.691	0.696		0.684	5.35
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.594	0.589	0.671	0.636	0.641		0.626	5.47
37)		Hexachlorocyclope		0.141	0.217	0.251	0.308	0.348	0.253	31.92
38)	C	2,4,6-Trichloroph	0.312	0.330	0.378	0.374	0.383		0.355	9.00
39)		2,4,5-Trichloroph	0.349	0.367	0.419	0.397	0.407		0.388	7.52
40)		1,1'-Biphenyl	1.256	1.249	1.444	1.361	1.361		1.334	6.14
41)		2-Chloronaphthale	0.969	0.961	1.102	1.037	1.046		1.023	5.72
42)		2-Nitroaniline	0.246	0.281	0.329	0.327	0.329		0.303	12.43
43)	S	Dimethylphthalate	1.202	1.293	1.444	1.359	1.349		1.329	6.71
44)		Dimethylphthalate	1.180	1.276	1.420	1.316	1.323		1.303	6.65
45)		2,6-Dinitrotoluen	0.201	0.233	0.281	0.274	0.281		0.254	14.10
46)	S	Acenaphthylene-d8	1.405	1.476	1.712	1.626	1.637		1.571	8.05
47)		Acenaphthylene	1.457	1.513	1.732	1.638	1.654		1.599	6.99
48)		3-Nitroaniline		0.233	0.269	0.269	0.256	0.237	0.253	6.83
49)	C	Acenaphthene	1.040	1.044	1.175	1.109	1.126		1.099	5.21
50)		2,4-Dinitrophenol		0.097	0.123	0.151	0.173	0.192	0.147	25.93
51)	S	4-Nitrophenol-d4		0.142	0.185	0.203	0.219	0.231	0.196	17.83

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.133	0.179	0.202	0.209	0.215	0.188	17.78
53)		Dibenzofuran	1.504	1.528	1.736	1.624	1.617		1.602	5.75
54)		2,4-Dinitrotoluen	0.303	0.351	0.424	0.410	0.412		0.380	13.56
55)		2,3,4,6-Tetrachlo	0.294	0.338	0.391	0.381	0.386		0.358	11.60
56)		Diethylphthalate	1.169	1.259	1.404	1.329	1.321		1.296	6.77
57)	S	Fluorene-d10	1.078	1.116	1.245	1.171	1.169		1.156	5.48
58)		Fluorene	1.215	1.264	1.425	1.346	1.328		1.315	6.10
59)		4-Chlorophenyl-ph	0.647	0.673	0.751	0.713	0.713		0.699	5.76
60)		4-Nitroaniline		0.221	0.249	0.249	0.252	0.246	0.243	5.24
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.091	0.116	0.122	0.131	0.136	0.119	14.86
63)		4,6-Dinitro-2-met		0.097	0.121	0.121	0.134	0.137	0.122	12.81
64)		N-Nitrosodiphenyl	0.487	0.511	0.591	0.562	0.571		0.544	8.01
65)		4-Bromophenyl-phe	0.200	0.205	0.239	0.222	0.232		0.220	7.81
66)		Hexachlorobenzene	0.233	0.238	0.268	0.250	0.255		0.249	5.59
67)		Atrazine		0.202	0.233	0.224	0.230	0.226	0.223	5.44
68)	C	Pentachlorophenol		0.111	0.132	0.134	0.145	0.152	0.135	11.51
69)		Phenanthrene	0.964	0.978	1.101	1.037	1.045		1.025	5.40
70)	S	Anthracene-d10	0.782	0.819	0.941	0.898	0.917		0.871	7.76
71)		Anthracene	0.947	0.982	1.132	1.063	1.078		1.040	7.21
72)		Carbazole		0.837	0.970	0.917	0.945	0.912	0.916	5.47
73)		Di-n-butylphthala	0.876	0.953	1.117	1.069	1.108		1.025	10.33
74)	C	Fluoranthene		1.190	1.349	1.266	1.270	1.219	1.259	4.80
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.708	0.731	0.841	0.783	0.799		0.772	6.88
77)		Pyrene	0.928	0.934	1.061	0.990	0.998		0.982	5.51
78)		Butylbenzylphthal	0.288	0.323	0.385	0.371	0.393		0.352	12.74
79)		3,3'-Dichlorobenz		0.311	0.387	0.372	0.362	0.320	0.351	9.50
80)		Benzo(a)anthracen	0.966	0.990	1.133	1.032	1.048		1.034	6.22
81)		Bis(2-ethylhexyl)	0.427	0.465	0.570	0.543	0.574		0.516	12.82
82)		Chrysene	0.938	0.960	1.086	0.995	0.992		0.994	5.70
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.820	1.008	0.960	1.009	1.000	0.960	8.37
85)		Benzo(b)fluoranth	0.993	0.991	1.173	1.129	1.112		1.080	7.70
86)		Benzo(k)fluoranth	0.943	0.990	1.168	1.013	1.050		1.033	8.21
87)	S	Benzo(a)pyrene-d1	0.762	0.784	0.930	0.854	0.870		0.840	8.08
88)	C	Benzo(a)pyrene	0.934	0.983	1.143	1.071	1.071		1.040	7.90
89)		Indeno(1,2,3-cd)p	1.157	1.175	1.387	1.284	1.312		1.263	7.62
90)		Dibenzo(a,h)anthr	0.961	0.993	1.166	1.077	1.104		1.061	7.86
91)		Benzo(g,h,i)peryl	0.976	0.991	1.168	1.064	1.082		1.056	7.33

(#) = Out of Range