Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM042517.M
Title : SVOA CALIBRATION
Last Update : Tue Apr 25 13:32:43 2017
Response Via : Initial Calibration

Calibration Files
5 =BM009700.D 10 =BM009701.D 20 =BM009702.D
40 =BM009703.D 80 =BM009704.D 160 =BM009705.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.592	0.534	0.566	0.516	0.469		0.535	8.80
3)	S	1,4-Dioxane-d8	0.412	0.446	0.452	0.439	0.422		0.434	3.88
4)		Benzaldehyde		1.465	1.597	1.541	1.388	1.085	1.415	14.19
5)	S	Phenol-d5		1.984	2.133	2.154	2.282	2.311	2.173	6.04
6)		Phenol		2.030	2.206	2.239	2.359	2.394	2.246	6.41
7)	S	Bis-(2-Chloroethy		1.434	1.492	1.474	1.512	1.496	1.482	2.02
8)		Bis(2-Chloroethyl		1.639	1.701	1.684	1.704	1.704	1.686	1.63
9)	S	2-Chlorophenol-d4	1.272	1.270	1.381	1.447	1.542		1.382	8.44
10)		2-Chlorophenol	1.303	1.316	1.435	1.455	1.566		1.415	7.67
11)		2-Methylphenol		1.466	1.596	1.611	1.704	1.705	1.616	6.08
12)		2,2'-oxybis(1-Chl		2.778	2.825	2.788	2.882	2.808	2.816	1.46
13)	S	4-Methylphenol-d8		1.478	1.716	1.709	1.799	1.767	1.694	7.46
14)		Acetophenone		2.599	2.798	2.778	2.872	2.884	2.786	4.10
15)	P	N-Nitroso-di-n-pr	1.548	1.685	1.757	1.822	1.840		1.730	6.87
16)		4-Methylphenol		1.608	1.772	1.805	1.884	1.874	1.789	6.21
17)		Hexachloroethane	0.636	0.606	0.673	0.686	0.684		0.657	5.31
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.151	0.159	0.166	0.164	0.175		0.163	5.36
20)		Nitrobenzene	0.512	0.531	0.522	0.527	0.552		0.529	2.79
21)		Isophorone	0.885	0.920	0.946	0.931	0.997		0.936	4.40
22)	S	2-Nitrophenol-d4	0.140	0.165	0.169	0.182	0.201		0.171	13.09
23)	C	2-Nitrophenol	0.166	0.183	0.185	0.191	0.207		0.187	7.95
24)		2,4-Dimethylpheno	0.433	0.459	0.465	0.467	0.495		0.464	4.78
25)		Bis(2-Chloroethox	0.551	0.519	0.549	0.531	0.563		0.543	3.20
26)	S	2,4-Dichloropheno	0.302	0.330	0.350	0.347	0.383		0.343	8.62
27)	C	2,4-Dichloropheno	0.320	0.324	0.331	0.340	0.373		0.338	6.23
28)		Naphthalene	1.073	1.044	1.053	1.036	1.120		1.065	3.15
29)	S	4-Chloroaniline-d		0.344	0.448	0.444	0.445	0.384	0.413	11.39
30)		4-Chloroaniline		0.353	0.444	0.434	0.445	0.385	0.412	9.94
31)	C	Hexachlorobutadie	0.243	0.233	0.230	0.228	0.244		0.236	3.19
32)		Caprolactam		0.124	0.125	0.127	0.134	0.127	0.127	3.25
33)	C	4-Chloro-3-methyl	0.375	0.414	0.427	0.422	0.465		0.421	7.67
34)		2-Methylnaphthale	0.790	0.803	0.821	0.810	0.872		0.819	3.89
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.645	0.652	0.665	0.690	0.740		0.678	5.65
37)		Hexachlorocyclope		0.275	0.314	0.367	0.413	0.442	0.362	19.02
38)	C	2,4,6-Trichloroph	0.424	0.435	0.451	0.481	0.513		0.461	7.91
39)		2,4,5-Trichloroph	0.426	0.452	0.468	0.495	0.534		0.475	8.76
40)		1,1'-Biphenyl	1.583	1.596	1.617	1.661	1.767		1.645	4.52
41)		2-Chloronaphthale	1.198	1.234	1.253	1.281	1.360		1.265	4.82
42)		2-Nitroaniline	0.462	0.496	0.547	0.572	0.617		0.539	11.42
43)	S	Dimethylphthalate	1.642	1.707	1.724	1.763	1.863		1.740	4.69
44)		Dimethylphthalate	1.622	1.712	1.734	1.733	1.804		1.721	3.79
45)		2,6-Dinitrotoluen	0.305	0.319	0.347	0.366	0.391		0.346	10.04
46)	S	Acenaphthylene-d8	1.903	2.017	2.085	2.170	2.316		2.098	7.44
47)		Acenaphthylene	1.925	2.011	2.058	2.121	2.230		2.069	5.56
48)		3-Nitroaniline		0.276	0.363	0.375	0.366	0.327	0.341	12.00
49)	C	Acenaphthene	1.329	1.377	1.392	1.431	1.504		1.407	4.65
50)		2,4-Dinitrophenol		0.166	0.204	0.239	0.262	0.281	0.231	19.92
51)	S	4-Nitrophenol-d4		0.292	0.322	0.340	0.359	0.365	0.336	8.84

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.361	0.358	0.388	0.414	0.403	0.385	6.49
53)		Dibenzofuran	1.970	2.048	2.047	2.053	2.187		2.061	3.80
54)		2,4-Dinitrotoluen	0.459	0.488	0.521	0.547	0.590		0.521	9.79
55)		2,3,4,6-Tetrachlo	0.411	0.443	0.459	0.478	0.512		0.461	8.22
56)		Diethylphthalate	1.875	1.865	1.842	1.863	1.938		1.877	1.93
57)	S	Fluorene-d10	1.487	1.561	1.546	1.576	1.681		1.570	4.49
58)		Fluorene	1.677	1.711	1.713	1.773	1.922		1.759	5.54
59)		4-Chlorophenyl-ph	0.870	0.901	0.905	0.910	0.973		0.911	4.12
60)		4-Nitroaniline		0.376	0.399	0.395	0.418	0.403	0.398	3.81
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.117	0.129	0.143	0.155	0.162	0.141	13.00
63)		4,6-Dinitro-2-met		0.123	0.137	0.144	0.159	0.165	0.146	11.54
64)		N-Nitrosodiphenyl	0.580	0.599	0.615	0.621	0.653		0.614	4.43
65)		4-Bromophenyl-phe	0.213	0.222	0.228	0.230	0.249		0.228	5.80
66)		Hexachlorobenzene	0.238	0.240	0.254	0.251	0.267		0.250	4.79
67)		Atrazine		0.230	0.242	0.247	0.256	0.256	0.246	4.44
68)	C	Pentachlorophenol		0.121	0.144	0.155	0.173	0.177	0.154	14.79
69)		Phenanthrene	1.106	1.121	1.149	1.152	1.221		1.150	3.86
70)	S	Anthracene-d10	0.972	0.984	1.035	1.035	1.108		1.027	5.24
71)		Anthracene	1.144	1.151	1.189	1.232	1.298		1.203	5.28
72)		Carbazole		1.021	1.061	1.066	1.137	1.127	1.082	4.49
73)		Di-n-butylphthala	1.186	1.233	1.324	1.373	1.476		1.318	8.68
74)	C	Fluoranthene		1.360	1.411	1.445	1.556	1.476	1.450	5.06
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.816	0.839	0.881	0.913	0.964		0.883	6.68
77)		Pyrene	1.070	1.063	1.127	1.171	1.217		1.130	5.81
78)		Butylbenzylphthal	0.417	0.434	0.465	0.492	0.535		0.468	10.00
79)		3,3'-Dichlorobenz		0.337	0.413	0.408	0.384	0.307	0.370	12.43
80)		Benzo(a)anthracen	1.130	1.154	1.189	1.195	1.261		1.186	4.20
81)		Bis(2-ethylhexyl)	0.640	0.660	0.703	0.737	0.808		0.710	9.40
82)		Chrysene	1.034	1.037	1.079	1.061	1.127		1.068	3.57
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.190	1.288	1.455	1.581	1.793	1.461	16.34
85)		Benzo(b)fluoranth	1.222	1.230	1.241	1.364	1.435		1.299	7.39
86)		Benzo(k)fluoranth	1.106	1.138	1.172	1.231	1.300		1.190	6.50
87)	S	Benzo(a)pyrene-d1	0.912	0.930	0.953	1.003	1.066		0.973	6.40
88)	C	Benzo(a)pyrene	1.125	1.150	1.196	1.244	1.326		1.208	6.63
89)		Indeno(1,2,3-cd)p	1.240	1.312	1.327	1.313	1.348		1.308	3.11
90)		Dibenzo(a,h)anthr	1.043	1.109	1.128	1.123	1.168		1.114	4.09
91)		Benzo(g,h,i)peryl	1.010	1.076	1.080	1.038	1.054		1.052	2.74

(#) = Out of Range