Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM-EPA-BM092717.M
Title : SVOA CALIBRATION
Last Update : Thu Sep 28 05:09:12 2017
Response Via : Initial Calibration

Calibration Files
5 =BM011722.D 10 =BM011723.D 20 =BM011742.D
40 =BM011725.D 80 =BM011726.D 160 =BM011727.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.510	0.486	0.511	0.506	0.484		0.499	2.69
3)	S	1,4-Dioxane-d8	0.457	0.447	0.458	0.444	0.437		0.449	1.98
4)		Benzaldehyde		1.263	1.129	1.164	0.929	0.338	0.965	38.42
5)	S	Phenol-d5		1.703	1.872	1.981	2.123	2.157	1.967	9.49
6)		Phenol		1.732	1.898	1.986	2.140	2.193	1.989	9.37
7)	S	Bis-(2-Chloroethy		1.331	1.389	1.437	1.483	1.493	1.427	4.73
8)		Bis(2-Chloroethyl		1.428	1.489	1.529	1.591	1.611	1.530	4.90
9)	S	2-Chlorophenol-d4	1.322	1.356	1.472	1.526	1.640		1.463	8.82
10)		2-Chlorophenol	1.299	1.348	1.440	1.477	1.575		1.428	7.59
11)		2-Methylphenol		1.290	1.407	1.457	1.558	1.593	1.461	8.29
12)		2,2'-oxybis(1-Chl		3.140	3.251	3.281	3.332	3.377	3.276	2.75
13)	S	4-Methylphenol-d8		1.364	1.480	1.555	1.639	1.667	1.541	8.01
14)		Acetophenone		2.248	2.392	2.476	2.625	2.638	2.476	6.61
15)	P	N-Nitroso-di-n-pr	1.256	1.347	1.416	1.446	1.522		1.397	7.24
16)		4-Methylphenol		1.435	1.550	1.618	1.702	1.725	1.606	7.36
17)		Hexachloroethane	0.602	0.599	0.629	0.641	0.677		0.630	5.04
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.134	0.147	0.158	0.165	0.176		0.156	10.47
20)		Nitrobenzene	0.397	0.407	0.424	0.449	0.471		0.429	7.09
21)		Isophorone	0.736	0.759	0.807	0.843	0.882		0.805	7.40
22)	S	2-Nitrophenol-d4	0.137	0.150	0.166	0.182	0.197		0.166	14.30
23)	C	2-Nitrophenol	0.145	0.160	0.176	0.186	0.199		0.173	12.22
24)		2,4-Dimethylpheno	0.348	0.368	0.397	0.417	0.442		0.394	9.52
25)		Bis(2-Chloroethox	0.429	0.445	0.470	0.485	0.503		0.466	6.40
26)	S	2,4-Dichloropheno	0.274	0.296	0.315	0.340	0.362		0.318	10.90
27)	C	2,4-Dichloropheno	0.253	0.281	0.307	0.321	0.348		0.302	12.21
28)		Naphthalene	0.990	1.012	1.047	1.066	1.112		1.045	4.55
29)	S	4-Chloroaniline-d		0.295	0.404	0.413	0.385	0.258	0.351	19.89
30)		4-Chloroaniline		0.295	0.386	0.392	0.369	0.256	0.340	17.91
31)	C	Hexachlorobutadie	0.204	0.205	0.208	0.216	0.230		0.213	5.06
32)		Caprolactam		0.087	0.094	0.102	0.108	0.098	0.098	8.19
33)	C	4-Chloro-3-methyl	0.288	0.317	0.344	0.367	0.394		0.342	12.16
34)		2-Methylnaphthale	0.678	0.709	0.733	0.766	0.819		0.741	7.30
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.628	0.652	0.677	0.687	0.737		0.676	6.05
37)		Hexachlorocyclope		0.356	0.393	0.426	0.473	0.525	0.435	15.28
38)	C	2,4,6-Trichloroph	0.382	0.408	0.432	0.454	0.495		0.434	10.01
39)		2,4,5-Trichloroph	0.401	0.411	0.454	0.467	0.514		0.449	10.21
40)		1,1'-Biphenyl	1.563	1.609	1.644	1.669	1.750		1.647	4.26
41)		2-Chloronaphthale	1.189	1.215	1.260	1.282	1.365		1.262	5.42
42)		2-Nitroaniline	0.343	0.415	0.473	0.528	0.562		0.464	18.95
43)	S	Dimethylphthalate	1.587	1.679	1.721	1.746	1.844		1.715	5.46
44)		Dimethylphthalate	1.522	1.607	1.652	1.662	1.760		1.641	5.29
45)		2,6-Dinitrotoluen	0.250	0.277	0.305	0.324	0.354		0.302	13.36
46)	S	Acenaphthylene-d8	1.825	1.978	2.091	2.150	2.327		2.074	9.05
47)		Acenaphthylene	1.899	2.024	2.071	2.140	2.270		2.081	6.61
48)		3-Nitroaniline		0.235	0.300	0.329	0.350	0.331	0.309	14.58
49)	C	Acenaphthene	1.345	1.380	1.416	1.441	1.505		1.417	4.31
50)		2,4-Dinitrophenol		0.142	0.172	0.201	0.230	0.247	0.198	21.43
51)	S	4-Nitrophenol-d4		0.228	0.274	0.301	0.331	0.333	0.293	14.97

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.223	0.270	0.297	0.327	0.317	0.287	14.63
53)		Dibenzofuran	1.842	1.894	1.948	1.964	2.084		1.946	4.66
54)		2,4-Dinitrotoluen	0.345	0.404	0.443	0.463	0.501		0.431	13.85
55)		2,3,4,6-Tetrachlo	0.351	0.389	0.418	0.435	0.481		0.415	11.75
56)		Diethylphthalate	1.605	1.685	1.724	1.762	1.849		1.725	5.23
57)	S	Fluorene-d10	1.344	1.410	1.462	1.527	1.642		1.477	7.73
58)		Fluorene	1.496	1.569	1.628	1.718	1.830		1.648	7.88
59)		4-Chlorophenyl-ph	0.755	0.775	0.806	0.864	0.943		0.829	9.17
60)		4-Nitroaniline		0.287	0.296	0.342	0.376	0.394	0.339	13.97
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.102	0.119	0.134	0.154	0.168	0.135	19.48
63)		4,6-Dinitro-2-met		0.110	0.122	0.137	0.152	0.167	0.138	16.64
64)		N-Nitrosodiphenyl	0.530	0.570	0.582	0.615	0.660		0.591	8.28
65)		4-Bromophenyl-phe	0.197	0.210	0.212	0.229	0.252		0.220	9.73
66)		Hexachlorobenzene	0.215	0.231	0.238	0.254	0.283		0.244	10.52
67)		Atrazine		0.210	0.213	0.233	0.248	0.241	0.229	7.37
68)	C	Pentachlorophenol		0.131	0.142	0.157	0.177	0.197	0.161	16.52
69)		Phenanthrene	1.049	1.084	1.087	1.145	1.232		1.119	6.43
70)	S	Anthracene-d10	0.917	0.964	0.990	1.061	1.157		1.018	9.19
71)		Anthracene	1.035	1.095	1.133	1.206	1.298		1.153	8.83
72)		Carbazole		0.885	0.958	1.006	1.100	1.104	1.010	9.29
73)		Di-n-butylphthala	1.128	1.227	1.289	1.374	1.488		1.301	10.58
74)	C	Fluoranthene		1.260	1.308	1.405	1.531	1.330	1.367	7.71
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.872	0.890	0.961	0.995	1.055		0.955	7.93
77)		Pyrene	1.114	1.130	1.202	1.233	1.280		1.192	5.84
78)		Butylbenzylphthal	0.433	0.466	0.512	0.524	0.556		0.498	9.77
79)		3,3'-Dichlorobenz		0.327	0.380	0.388	0.401	0.406	0.380	8.31
80)		Benzo(a)anthracen	1.002	1.053	1.142	1.163	1.235		1.119	8.23
81)		Bis(2-ethylhexyl)	0.642	0.686	0.761	0.784	0.845		0.744	10.83
82)		Chrysene	0.960	1.024	1.079	1.083	1.130		1.055	6.16
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.308	1.365	1.596	1.789	1.672	1.546	13.20
85)		Benzo(b)fluoranth	1.001	1.063	1.171	1.256	1.410		1.180	13.71
86)		Benzo(k)fluoranth	1.093	1.102	1.083	1.318	1.424		1.204	13.04
87)	S	Benzo(a)pyrene-d1	0.840	0.892	0.933	1.017	1.105		0.958	10.96
88)	C	Benzo(a)pyrene	0.949	1.081	1.098	1.233	1.337		1.140	13.11
89)		Indeno(1,2,3-cd)p	1.036	1.180	1.206	1.228	1.283		1.187	7.81
90)		Dibenzo(a,h)anthr	0.815	0.968	1.017	1.052	1.117		0.994	11.43
91)		Benzo(g,h,i)peryl	0.913	0.996	1.029	0.987	1.000		0.985	4.38

(#) = Out of Range