Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM060115.M
Title : SVOA CALIBRATION
Last Update : Tue Jun 02 02:07:02 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001509.D 10 =BM001510.D 20 =BM001511.D
40 =BM001512.D 80 =BM001513.D 160 =BM001514.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.477	0.503	0.509	0.510	0.489		0.498	2.84
3)	S	1,4-Dioxane-d8	0.628	0.491	0.482	0.466	0.432		0.500	14.99
4)		Benzaldehyde		1.091	1.184	1.062	0.771	0.345	0.891	38.38
5)	S	Phenol-d5		1.460	1.593	1.583	1.569	1.647	1.570	4.36
6)		Phenol		1.549	1.673	1.654	1.644	1.728	1.650	3.94
7)	S	Bis-(2-Chloroethy		0.888	0.950	0.893	0.887	0.926	0.909	3.10
8)		Bis(2-Chloroethyl		1.212	1.292	1.239	1.221	1.271	1.247	2.71
9)	S	2-Chlorophenol-d4	1.242	1.189	1.273	1.255	1.249		1.242	2.56
10)		2-Chlorophenol	1.265	1.219	1.320	1.303	1.297		1.281	3.10
11)		2-Methylphenol		1.167	1.288	1.230	1.226	1.296	1.241	4.25
12)		2,2'-oxybis(1-Chl		1.640	1.722	1.644	1.608	1.671	1.657	2.58
13)	S	4-Methylphenol-d8		1.182	1.303	1.262	1.247	1.319	1.263	4.25
14)		Acetophenone		1.964	2.103	2.028	1.973	2.092	2.032	3.19
15)	P	N-Nitroso-di-n-pr	1.070	1.038	1.125	1.066	1.048		1.069	3.16
16)		4-Methylphenol		1.275	1.364	1.340	1.305	1.382	1.333	3.25
17)		Hexachloroethane	0.542	0.536	0.573	0.550	0.545		0.549	2.62
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.126	0.126	0.132	0.136	0.141		0.132	5.06
20)		Nitrobenzene	0.363	0.360	0.386	0.393	0.394		0.379	4.33
21)		Isophorone	0.700	0.698	0.731	0.717	0.710		0.711	1.90
22)	S	2-Nitrophenol-d4	0.125	0.127	0.140	0.151	0.159		0.140	10.54
23)	C	2-Nitrophenol	0.132	0.136	0.159	0.167	0.170		0.153	11.60
24)		2,4-Dimethylpheno	0.387	0.382	0.402	0.401	0.396		0.393	2.24
25)		Bis(2-Chloroethox	0.425	0.411	0.428	0.414	0.409		0.417	2.01
26)	S	2,4-Dichloropheno	0.316	0.313	0.335	0.335	0.332		0.326	3.25
27)	C	2,4-Dichloropheno	0.292	0.298	0.322	0.323	0.320		0.311	4.63
28)		Naphthalene	1.015	0.984	1.042	1.034	1.021		1.019	2.20
29)	S	4-Chloroaniline-d		0.396	0.423	0.396	0.319	0.226	0.352	22.83
30)		4-Chloroaniline		0.406	0.431	0.405	0.333	0.243	0.364	21.00
31)	C	Hexachlorobutadie	0.234	0.238	0.244	0.243	0.242		0.240	1.68
32)		Caprolactam		0.086	0.096	0.097	0.095	0.097	0.094	4.95
33)	C	4-Chloro-3-methyl	0.349	0.339	0.363	0.360	0.352		0.353	2.68
34)		2-Methylnaphthale	0.730	0.712	0.758	0.745	0.729		0.735	2.38
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.699	0.688	0.727	0.721	0.731		0.713	2.62
37)		Hexachlorocyclope		0.437	0.474	0.479	0.496	0.517	0.481	6.14
38)	C	2,4,6-Trichloroph	0.399	0.409	0.440	0.443	0.446		0.427	5.08
39)		2,4,5-Trichloroph	0.419	0.448	0.467	0.473	0.474		0.456	5.13
40)		1,1'-Biphenyl	1.615	1.591	1.659	1.647	1.621		1.626	1.66
41)		2-Chloronaphthale	1.271	1.223	1.293	1.290	1.276		1.271	2.21
42)		2-Nitroaniline	0.288	0.296	0.338	0.368	0.376		0.333	12.11
43)	S	Dimethylphthalate	1.469	1.452	1.528	1.496	1.469		1.483	2.02
44)		Dimethylphthalate	1.608	1.571	1.665	1.631	1.611		1.617	2.14
45)		2,6-Dinitrotoluen	0.245	0.249	0.284	0.304	0.320		0.280	11.91
46)	S	Acenaphthylene-d8	1.950	1.939	2.022	2.015	1.983		1.982	1.89
47)		Acenaphthylene	2.018	1.958	2.096	2.078	2.030		2.036	2.67
48)		3-Nitroaniline		0.254	0.296	0.310	0.282	0.265	0.281	8.06
49)	C	Acenaphthene	1.323	1.302	1.387	1.374	1.345		1.346	2.59
50)		2,4-Dinitrophenol		0.105	0.135	0.153	0.172	0.200	0.153	23.38
51)	S	4-Nitrophenol-d4		0.211	0.246	0.272	0.276	0.292	0.259	12.10

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.217	0.245	0.264	0.276	0.289	0.258	10.93
53)		Dibenzofuran	1.896	1.860	1.956	1.942	1.888		1.908	2.08
54)		2,4-Dinitrotoluen	0.324	0.339	0.401	0.445	0.468		0.395	16.09
55)		2,3,4,6-Tetrachlo	0.364	0.369	0.404	0.415	0.418		0.394	6.48
56)		Diethylphthalate	1.618	1.591	1.698	1.672	1.638		1.643	2.57
57)	S	Fluorene-d10	1.409	1.362	1.411	1.397	1.359		1.388	1.81
58)		Fluorene	1.581	1.572	1.644	1.628	1.605		1.606	1.89
59)		4-Chlorophenyl-ph	0.819	0.797	0.859	0.848	0.833		0.831	2.91
60)		4-Nitroaniline		0.272	0.322	0.344	0.344	0.344	0.325	9.53
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.072	0.089	0.102	0.110	0.123	0.099	19.68
63)		4,6-Dinitro-2-met		0.075	0.094	0.111	0.119	0.134	0.106	21.49
64)		N-Nitrosodiphenyl	0.594	0.574	0.606	0.606	0.591		0.594	2.21
65)		4-Bromophenyl-phe	0.219	0.214	0.226	0.226	0.222		0.221	2.40
66)		Hexachlorobenzene	0.240	0.234	0.246	0.242	0.239		0.240	1.88
67)		Atrazine		0.233	0.245	0.244	0.221	0.222	0.233	4.95
68)	C	Pentachlorophenol		0.120	0.139	0.147	0.155	0.163	0.145	11.40
69)		Phenanthrene	1.076	1.045	1.105	1.100	1.087		1.083	2.21
70)	S	Anthracene-d10	0.921	0.888	0.942	0.942	0.935		0.926	2.45
71)		Anthracene	1.123	1.065	1.139	1.137	1.121		1.117	2.71
72)		Carbazole		0.967	1.014	1.018	1.012	1.020	1.006	2.20
73)		Di-n-butylphthala	1.213	1.176	1.241	1.232	1.237		1.220	2.18
74)	C	Fluoranthene		1.253	1.322	1.337	1.354	1.339	1.321	3.02
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.888	0.906	0.945	0.922	0.864		0.905	3.40
77)		Pyrene	1.170	1.184	1.238	1.216	1.127		1.187	3.60
78)		Butylbenzylphthal	0.461	0.461	0.488	0.490	0.479		0.476	2.97
79)		3,3'-Dichlorobenz		0.378	0.418	0.405	0.389	0.380	0.394	4.32
80)		Benzo(a)anthracen	1.180	1.156	1.237	1.209	1.180		1.193	2.59
81)		Bis(2-ethylhexyl)	0.677	0.676	0.714	0.713	0.713		0.699	2.93
82)		Chrysene	1.109	1.080	1.136	1.142	1.101		1.114	2.28
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.181	1.240	1.229	1.233	1.191	1.215	2.22
85)		Benzo(b)fluoranth	1.200	1.168	1.201	1.235	1.243		1.209	2.49
86)		Benzo(k)fluoranth	1.110	1.099	1.191	1.179	1.129		1.142	3.65
87)	S	Benzo(a)pyrene-d1	0.878	0.856	0.910	0.930	0.917		0.898	3.37
88)	C	Benzo(a)pyrene	1.121	1.086	1.161	1.181	1.162		1.142	3.35
89)		Indeno(1,2,3-cd)p	1.288	1.264	1.348	1.348	1.370		1.324	3.41
90)		Dibenzo(a,h)anthr	1.095	1.067	1.139	1.150	1.162		1.123	3.55
91)		Benzo(g,h,i)peryl	1.088	1.051	1.143	1.144	1.146		1.114	3.86

(#) = Out of Range