Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM-EPA-BM032818MA.M
Title : SVOA CALIBRATION
Last Update : Wed Mar 28 15:27:54 2018
Response Via : Initial Calibration

Calibration Files
5 =BM014659.D 10 =BM014660.D 20 =BM014661.D
40 =BM014662.D 80 =BM014663.D 160 =BM014664.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.544	0.398	0.431	0.430	0.436		0.448	12.48
3)	S	1,4-Dioxane-d8	0.488	0.375	0.410	0.400	0.405		0.416	10.18
4)		Benzaldehyde		0.931	1.036	1.023	0.868	0.702	0.912	14.90
5)	S	Phenol-d5		1.379	1.629	1.691	1.610	1.666	1.595	7.84
6)		Phenol		1.371	1.598	1.650	1.562	1.608	1.558	7.01
7)	S	Bis-(2-Chloroethy		0.926	1.060	1.051	0.994	0.985	1.003	5.45
8)		Bis(2-Chloroethyl		1.114	1.303	1.285	1.234	1.219	1.231	6.00
9)	S	2-Chlorophenol-d4	1.376	1.133	1.346	1.381	1.344		1.316	7.89
10)		2-Chlorophenol	1.387	1.123	1.330	1.352	1.306		1.300	7.95
11)		2-Methylphenol		1.026	1.227	1.268	1.175	1.233	1.186	8.04
12)		2,2'-oxybis(1-Chl		2.122	2.457	2.413	2.232	2.185	2.282	6.40
13)	S	4-Methylphenol-d8		1.141	1.353	1.396	1.278	1.346	1.303	7.67
14)		Acetophenone		1.796	2.075	2.052	1.838	1.875	1.927	6.63
15)	P	N-Nitroso-di-n-pr	1.087	0.929	1.094	1.089	0.958		1.031	7.85
16)		4-Methylphenol		1.121	1.347	1.362	1.240	1.302	1.275	7.69
17)		Hexachloroethane	0.576	0.450	0.541	0.537	0.530		0.527	8.79
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.121	0.104	0.131	0.141	0.146		0.129	13.11
20)		Nitrobenzene	0.335	0.285	0.338	0.343	0.339		0.328	7.36
21)		Isophorone	0.681	0.577	0.672	0.664	0.608		0.640	7.15
22)	S	2-Nitrophenol-d4	0.094	0.084	0.116	0.138	0.147		0.116	23.53
23)	C	2-Nitrophenol	0.111	0.104	0.140	0.157	0.161		0.135	19.36
24)		2,4-Dimethylpheno	0.366	0.302	0.351	0.348	0.333		0.340	7.16
25)		Bis(2-Chloroethox	0.426	0.354	0.407	0.404	0.379		0.394	7.08
26)	S	2,4-Dichloropheno	0.299	0.252	0.306	0.316	0.304		0.295	8.42
27)	C	2,4-Dichloropheno	0.287	0.241	0.285	0.292	0.281		0.277	7.43
28)		Naphthalene	1.097	0.873	0.986	0.977	0.941		0.975	8.33
29)	S	4-Chloroaniline-d		0.248	0.412	0.386	0.326	0.297	0.334	19.86
30)		4-Chloroaniline		0.241	0.394	0.367	0.311	0.284	0.319	19.38
31)	C	Hexachlorobutadie	0.206	0.159	0.185	0.185	0.188		0.185	9.01
32)		Caprolactam		0.066	0.091	0.093	0.075	0.090	0.083	14.42
33)	C	4-Chloro-3-methyl	0.299	0.261	0.316	0.317	0.280		0.295	8.14
34)		2-Methylnaphthale	0.761	0.628	0.724	0.711	0.653		0.696	7.76
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.703	0.544	0.620	0.639	0.669		0.635	9.43
37)		Hexachlorocyclope		0.324	0.394	0.434	0.483	0.480	0.423	15.64
38)	C	2,4,6-Trichloroph	0.371	0.312	0.382	0.409	0.411		0.377	10.64
39)		2,4,5-Trichloroph	0.372	0.328	0.416	0.432	0.427		0.395	11.20
40)		1,1'-Biphenyl	1.791	1.423	1.590	1.612	1.592		1.602	8.14
41)		2-Chloronaphthale	1.397	1.093	1.234	1.245	1.237		1.241	8.68
42)		2-Nitroaniline	0.236	0.220	0.308	0.347	0.335		0.289	19.99
43)	S	Dimethylphthalate	1.713	1.420	1.664	1.636	1.468		1.580	8.11
44)		Dimethylphthalate	1.669	1.387	1.595	1.561	1.402		1.523	8.12
45)		2,6-Dinitrotoluen	0.187	0.188	0.269	0.301	0.284		0.246	22.15
46)	S	Acenaphthylene-d8	2.201	1.777	2.040	2.059	1.959		2.007	7.73
47)		Acenaphthylene	2.113	1.699	1.934	1.937	1.837		1.904	7.98
48)		3-Nitroaniline		0.182	0.279	0.289	0.244	0.248	0.248	16.93
49)	C	Acenaphthene	1.479	1.190	1.346	1.349	1.282		1.329	7.97
50)		2,4-Dinitrophenol		0.057	0.087	0.115	0.114	0.159	0.106	35.34
51)	S	4-Nitrophenol-d4		0.188	0.272	0.286	0.253	0.284	0.256	15.80

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.161	0.216	0.214	0.186	0.198	0.195	11.62
53)		Dibenzofuran	2.045	1.641	1.864	1.846	1.724		1.824	8.43
54)		2,4-Dinitrotoluen	0.266	0.279	0.405	0.437	0.389		0.355	21.92
55)		2,3,4,6-Tetrachlo	0.310	0.285	0.361	0.376	0.348		0.336	11.22
56)		Diethylphthalate	1.611	1.370	1.659	1.598	1.378		1.523	9.06
57)	S	Fluorene-d10	1.510	1.224	1.408	1.396	1.259		1.359	8.62
58)		Fluorene	1.636	1.341	1.551	1.525	1.375		1.486	8.35
59)		4-Chlorophenyl-ph	0.830	0.684	0.787	0.785	0.720		0.761	7.68
60)		4-Nitroaniline		0.229	0.301	0.315	0.261	0.297	0.281	12.51
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.046	0.072	0.091	0.097	0.120	0.085	32.64
63)		4,6-Dinitro-2-met		0.051	0.082	0.101	0.103	0.124	0.092	29.51
64)		N-Nitrosodiphenyl	0.651	0.537	0.591	0.599	0.610		0.598	6.88
65)		4-Bromophenyl-phe	0.237	0.198	0.222	0.229	0.235		0.224	7.03
66)		Hexachlorobenzene	0.271	0.221	0.251	0.255	0.255		0.251	7.34
67)		Atrazine		0.176	0.218	0.222	0.208	0.216	0.208	8.85
68)	C	Pentachlorophenol		0.094	0.129	0.140	0.139	0.156	0.132	17.45
69)		Phenanthrene	1.188	0.953	1.095	1.077	1.045		1.072	7.92
70)	S	Anthracene-d10	1.027	0.838	0.963	0.958	0.924		0.942	7.35
71)		Anthracene	1.201	0.974	1.116	1.102	1.062		1.091	7.57
72)		1,2,3,4-Tetrachlo	0.343	0.260	0.279	0.299	0.352		0.307	12.93
73)		Pentachlorobenzen	0.327	0.259	0.280	0.291	0.320		0.295	9.54
74)		Carbazole		0.831	0.994	0.955	0.894	0.841	0.903	7.86
75)		Di-n-butylphthala	1.097	0.956	1.244	1.210	1.098		1.121	10.10
76)	C	Fluoranthene		1.014	1.291	1.224	1.103	0.909	1.108	13.93
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	1.089	0.982	0.949	1.059	0.996		1.015	5.67
79)		Pyrene	1.366	1.213	1.166	1.290	1.213		1.250	6.31
80)		Butylbenzylphthal	0.363	0.344	0.461	0.527	0.491		0.437	18.29
81)		3,3'-Dichlorobenz		0.270	0.412	0.411	0.372	0.345	0.362	16.22
82)		Benzo(a)anthracen	1.282	1.042	1.191	1.201	1.149		1.173	7.47
83)		Bis(2-ethylhexyl)	0.589	0.497	0.715	0.753	0.708		0.652	16.33
84)		Chrysene	1.217	0.976	1.113	1.104	1.067		1.095	7.93
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		0.867	1.188	1.407	1.199	1.204	1.173	16.53
87)		Benzo(b)fluoranth	1.269	1.044	1.184	1.310	1.192		1.200	8.51
88)		Benzo(k)fluoranth	1.214	1.022	1.181	1.214	1.142		1.155	6.90
89)	S	Benzo(a)pyrene-d1	1.013	0.847	0.997	1.039	1.014		0.982	7.83
90)	C	Benzo(a)pyrene	1.190	0.978	1.137	1.173	1.137		1.123	7.49
91)		Indeno(1,2,3-cd)p	1.369	1.073	1.270	1.205	1.380		1.259	10.10
92)		Dibenzo(a,h)anthr	1.152	0.889	1.069	1.013	1.157		1.056	10.51
93)		Benzo(g,h,i)peryl	1.138	0.875	1.016	0.964	1.127		1.024	10.88

(#) = Out of Range