Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-2016\
Method File : SOM-EPA-BM031317MA.M
Title : SVOA CALIBRATION
Last Update : Wed Mar 15 01:51:24 2017
Response Via : Initial Calibration

Calibration Files
5 =BM009217.D 10 =BM009218.D 20 =BM009244.D
40 =BM009220.D 80 =BM009221.D 160 =BM009222.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.464	0.514	0.498	0.455	0.477		0.482	5.04
3)	S	1,4-Dioxane-d8	0.473	0.483	0.466	0.419	0.429		0.454	6.24
4)		Benzaldehyde		1.573	1.615	1.610	1.493	0.958	1.450	19.24
5)	S	Phenol-d5		1.818	2.019	2.185	2.330	2.467	2.164	11.79
6)		Phenol		1.963	2.223	2.335	2.461	2.570	2.310	10.13
7)	S	Bis-(2-Chloroethy		1.347	1.396	1.410	1.449	1.445	1.409	2.96
8)		Bis(2-Chloroethyl		1.571	1.603	1.659	1.727	1.715	1.655	4.11
9)	S	2-Chlorophenol-d4	1.214	1.193	1.308	1.409	1.486		1.322	9.49
10)		2-Chlorophenol	1.236	1.288	1.359	1.405	1.529		1.364	8.30
11)		2-Methylphenol		1.441	1.610	1.689	1.777	1.851	1.674	9.47
12)		2,2'-oxybis(1-Chl		2.692	2.689	2.763	2.827	2.813	2.757	2.35
13)	S	4-Methylphenol-d8		1.487	1.600	1.773	1.847	1.923	1.726	10.38
14)		Acetophenone		2.701	2.831	2.900	2.977	3.088	2.899	5.05
15)	P	N-Nitroso-di-n-pr	1.687	1.700	1.745	1.844	1.912		1.778	5.46
16)		4-Methylphenol		1.691	1.827	1.911	2.002	2.057	1.898	7.63
17)		Hexachloroethane	0.581	0.573	0.586	0.598	0.648		0.597	5.01
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.128	0.127	0.151	0.148	0.159		0.143	10.03
20)		Nitrobenzene	0.429	0.458	0.495	0.487	0.513		0.476	6.96
21)		Isophorone	0.878	0.907	0.970	0.955	1.000		0.942	5.22
22)	S	2-Nitrophenol-d4	0.139	0.143	0.159	0.168	0.183		0.159	11.46
23)	C	2-Nitrophenol	0.159	0.160	0.173	0.180	0.192		0.173	8.09
24)		2,4-Dimethylpheno	0.405	0.416	0.453	0.460	0.480		0.443	7.12
25)		Bis(2-Chloroethox	0.509	0.502	0.530	0.512	0.529		0.516	2.40
26)	S	2,4-Dichloropheno	0.292	0.320	0.352	0.353	0.375		0.339	9.60
27)	C	2,4-Dichloropheno	0.307	0.303	0.347	0.351	0.368		0.335	8.52
28)		Naphthalene	1.018	1.001	1.035	1.020	1.054		1.026	1.96
29)	S	4-Chloroaniline-d		0.370	0.438	0.429	0.413	0.369	0.404	8.08
30)		4-Chloroaniline		0.415	0.456	0.449	0.434	0.387	0.428	6.56
31)	C	Hexachlorobutadie	0.233	0.221	0.239	0.227	0.235		0.231	3.15
32)		Caprolactam		0.125	0.136	0.139	0.147	0.152	0.140	7.44
33)	C	4-Chloro-3-methyl	0.401	0.417	0.446	0.452	0.484		0.440	7.27
34)		2-Methylnaphthale	0.801	0.771	0.841	0.816	0.853		0.817	4.00
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.568	0.578	0.680	0.584	0.597		0.602	7.52
37)		Hexachlorocyclope		0.299	0.361	0.320	0.359	0.362	0.340	8.56
38)	C	2,4,6-Trichloroph	0.327	0.347	0.430	0.393	0.409		0.381	11.28
39)		2,4,5-Trichloroph	0.382	0.405	0.511	0.432	0.455		0.437	11.38
40)		1,1'-Biphenyl	1.317	1.344	1.591	1.360	1.393		1.401	7.82
41)		2-Chloronaphthale	1.026	1.023	1.241	1.051	1.080		1.084	8.34
42)		2-Nitroaniline	0.372	0.408	0.505	0.456	0.486		0.445	12.28
43)	S	Dimethylphthalate	1.410	1.461	1.716	1.472	1.536		1.519	7.84
44)		Dimethylphthalate	1.450	1.456	1.733	1.471	1.508		1.523	7.81
45)		2,6-Dinitrotoluen	0.255	0.257	0.328	0.304	0.322		0.293	12.03
46)	S	Acenaphthylene-d8	1.555	1.647	1.968	1.735	1.829		1.747	9.17
47)		Acenaphthylene	1.577	1.651	2.000	1.730	1.787		1.749	9.22
48)		3-Nitroaniline		0.285	0.355	0.319	0.312	0.289	0.312	9.08
49)	C	Acenaphthene	1.160	1.173	1.378	1.195	1.245		1.230	7.22
50)		2,4-Dinitrophenol		0.137	0.183	0.186	0.216	0.238	0.192	19.91
51)	S	4-Nitrophenol-d4		0.250	0.333	0.299	0.312	0.313	0.302	10.29

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.315	0.394	0.343	0.353	0.357	0.352	8.04
53)		Dibenzofuran	1.682	1.759	2.055	1.757	1.813		1.813	7.88
54)		2,4-Dinitrotoluen	0.369	0.418	0.503	0.470	0.497		0.452	12.66
55)		2,3,4,6-Tetrachlo	0.365	0.386	0.474	0.422	0.449		0.419	10.67
56)		Diethylphthalate	1.483	1.532	1.790	1.561	1.610		1.595	7.41
57)	S	Fluorene-d10	1.277	1.290	1.511	1.331	1.367		1.355	6.94
58)		Fluorene	1.458	1.491	1.764	1.524	1.586		1.565	7.75
59)		4-Chlorophenyl-ph	0.748	0.766	0.901	0.796	0.809		0.804	7.39
60)		4-Nitroaniline		0.323	0.412	0.371	0.339	0.326	0.354	10.56
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.095	0.103	0.121	0.135	0.145	0.120	17.46
63)		4,6-Dinitro-2-met		0.099	0.118	0.121	0.141	0.150	0.126	15.92
64)		N-Nitrosodiphenyl	0.518	0.540	0.580	0.571	0.602		0.562	5.92
65)		4-Bromophenyl-phe	0.203	0.212	0.220	0.215	0.231		0.216	4.86
66)		Hexachlorobenzene	0.229	0.236	0.248	0.240	0.249		0.240	3.45
67)		Atrazine		0.213	0.233	0.234	0.247	0.247	0.235	5.92
68)	C	Pentachlorophenol		0.135	0.151	0.155	0.171	0.177	0.158	10.49
69)		Phenanthrene	1.072	1.061	1.150	1.113	1.169		1.113	4.25
70)	S	Anthracene-d10	0.882	0.898	0.973	0.967	1.012		0.947	5.77
71)		Anthracene	1.059	1.095	1.161	1.155	1.205		1.135	5.09
72)		1,2,3,4-Tetrachlo	0.218	0.229	0.243	0.236	0.248		0.235	5.15
73)		Pentachlorobenzen	0.245	0.240	0.261	0.252	0.263		0.252	3.86
74)		Carbazole		0.986	1.058	1.060	1.107	1.087	1.060	4.34
75)		Di-n-butylphthala	1.145	1.149	1.236	1.255	1.320		1.221	6.08
76)	C	Fluoranthene		1.345	1.466	1.448	1.522	1.233	1.403	8.14
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.776	0.783	0.804	0.815	0.858		0.807	4.02
79)		Pyrene	1.003	1.002	1.044	1.061	1.085		1.039	3.47
80)		Butylbenzylphthal	0.380	0.393	0.415	0.433	0.468		0.418	8.30
81)		3,3'-Dichlorobenz		0.319	0.407	0.421	0.408	0.339	0.379	12.27
82)		Benzo(a)anthracen	1.108	1.117	1.153	1.158	1.180		1.143	2.62
83)		Bis(2-ethylhexyl)	0.650	0.632	0.629	0.648	0.691		0.650	3.76
84)		Chrysene	1.073	1.037	1.086	1.090	1.105		1.078	2.38
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.052	1.093	1.151	1.230	0.852	1.076	13.20
87)		Benzo(b)fluoranth	1.140	1.121	1.188	1.211	1.250		1.182	4.44
88)		Benzo(k)fluoranth	1.059	1.084	1.175	1.140	1.190		1.130	5.03
89)	S	Benzo(a)pyrene-d1	0.863	0.870	0.925	0.937	0.980		0.915	5.37
90)	C	Benzo(a)pyrene	1.073	1.099	1.176	1.171	1.226		1.149	5.40
91)		Indeno(1,2,3-cd)p	1.318	1.305	1.414	1.392	1.462		1.378	4.80
92)		Dibenzo(a,h)anthr	1.124	1.112	1.191	1.171	1.231		1.166	4.20
93)		Benzo(g,h,i)peryl	1.100	1.096	1.160	1.159	1.189		1.141	3.60

(#) = Out of Range