Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM050416.M
Title : SVOA CALIBRATION
Last Update : Thu May 05 15:29:12 2016
Response Via : Initial Calibration

Calibration Files
5 =BM005220.D 10 =BM005221.D 20 =BM005222.D
40 =BM005223.D 80 =BM005224.D 160 =BM005225.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.524	0.786	0.758	0.738	0.721		0.705	14.74
3)	S	1,4-Dioxane-d8		0.320	0.406	0.395	0.388		0.377	10.30
4)		Benzaldehyde		1.028	1.112	1.054	0.802	0.306	0.860	38.55
5)	S	Phenol-d5		1.663	1.911	2.055	2.270	2.208	2.021	12.09
6)		Phenol		1.763	2.055	2.191	2.399	2.299	2.141	11.54
7)	S	Bis-(2-Chloroethy		0.992	1.079	1.083	1.108	1.072	1.067	4.11
8)		Bis(2-Chloroethyl		1.417	1.476	1.499	1.541	1.480	1.483	3.02
9)	S	2-Chlorophenol-d4	1.097	1.261	1.387	1.460	1.592		1.359	13.95
10)		2-Chlorophenol	1.174	1.334	1.454	1.526	1.648		1.427	12.73
11)		2-Methylphenol		1.271	1.507	1.624	1.787	1.765	1.591	13.30
12)		2,2'-oxybis(1-Chl		1.870	1.999	1.999	2.018	1.966	1.971	3.00
13)	S	4-Methylphenol-d8		1.344	1.579	1.723	1.891	1.852	1.678	13.30
14)		Acetophenone		2.307	2.573	2.655	2.830	2.563	2.586	7.30
15)	P	N-Nitroso-di-n-pr	1.030	1.106	1.245	1.331	1.413		1.225	12.86
16)		4-Methylphenol		1.528	1.751	1.883	2.094	1.975	1.846	11.80
17)		Hexachloroethane	0.420	0.512	0.536	0.525	0.533		0.505	9.60
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.087	0.107	0.129	0.142	0.146		0.122	20.20
20)		Nitrobenzene	0.284	0.315	0.347	0.362	0.371		0.336	10.73
21)		Isophorone	0.572	0.603	0.673	0.733	0.743		0.665	11.46
22)	S	2-Nitrophenol-d4	0.093	0.118	0.140	0.161	0.167		0.136	22.69
23)	C	2-Nitrophenol	0.108	0.130	0.160	0.180	0.185		0.152	21.66#
24)		2,4-Dimethylpheno	0.302	0.335	0.373	0.395	0.407		0.362	12.07
25)		Bis(2-Chloroethox	0.382	0.394	0.417	0.427	0.424		0.409	4.78
26)	S	2,4-Dichloropheno	0.212	0.248	0.288	0.313	0.331		0.278	17.41
27)	C	2,4-Dichloropheno	0.218	0.260	0.301	0.324	0.341		0.289	17.29
28)		Naphthalene	1.007	1.010	1.036	1.035	1.039		1.025	1.54
29)	S	4-Chloroaniline-d		0.366	0.439	0.440	0.401	0.281	0.385	17.11
30)		4-Chloroaniline		0.387	0.452	0.457	0.419	0.291	0.401	16.91
31)	C	Hexachlorobutadie	0.159	0.170	0.172	0.172	0.165		0.168	3.45
32)		Caprolactam		0.080	0.114	0.136	0.150	0.151	0.126	23.66
33)	C	4-Chloro-3-methyl	0.290	0.340	0.387	0.421	0.444		0.376	16.51
34)		2-Methylnaphthale	0.725	0.761	0.792	0.800	0.817		0.779	4.66
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.533	0.531	0.559	0.558	0.562		0.548	2.79
37)		Hexachlorocyclope		0.160	0.200	0.249	0.251	0.309	0.234	24.21
38)	C	2,4,6-Trichloroph	0.268	0.313	0.357	0.388	0.404		0.346	16.10
39)		2,4,5-Trichloroph	0.311	0.361	0.410	0.441	0.468		0.398	15.76
40)		1,1'-Biphenyl	1.504	1.502	1.538	1.528	1.528		1.520	1.04
41)		2-Chloronaphthale	1.100	1.139	1.163	1.168	1.183		1.151	2.80
42)		2-Nitroaniline	0.217	0.269	0.335	0.391	0.426		0.328	26.21
43)	S	Dimethylphthalate	1.539	1.581	1.637	1.648	1.701		1.621	3.87
44)		Dimethylphthalate	1.560	1.623	1.682	1.671	1.713		1.650	3.63
45)		2,6-Dinitrotoluen	0.195	0.236	0.289	0.331	0.352		0.281	23.18
46)	S	Acenaphthylene-d8	1.631	1.755	1.874	1.911	1.961		1.826	7.28
47)		Acenaphthylene	1.817	1.948	2.062	2.043	2.107		1.995	5.78
48)		3-Nitroaniline		0.265	0.358	0.382	0.403	0.356	0.353	14.97
49)	C	Acenaphthene	1.353	1.361	1.370	1.338	1.366		1.358	0.93
50)		2,4-Dinitrophenol		0.078	0.120	0.180	0.208	0.251	0.167	41.16
51)	S	4-Nitrophenol-d4		0.240	0.312	0.347	0.386	0.356	0.328	17.06

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.207	0.272	0.295	0.325	0.294	0.279	15.92
53)		Dibenzofuran	1.997	2.016	2.029	1.989	2.043		2.015	1.11
54)		2,4-Dinitrotoluen	0.348	0.421	0.503	0.535	0.583		0.478	19.58
55)		2,3,4,6-Tetrachlo	0.299	0.347	0.380	0.405	0.426		0.371	13.50
56)		Diethylphthalate	1.597	1.635	1.721	1.725	1.805		1.696	4.82
57)	S	Fluorene-d10	1.457	1.449	1.469	1.454	1.496		1.465	1.28
58)		Fluorene	1.673	1.692	1.690	1.627	1.681		1.673	1.58
59)		4-Chlorophenyl-ph	0.792	0.809	0.804	0.775	0.795		0.795	1.65
60)		4-Nitroaniline		0.315	0.423	0.447	0.494	0.441	0.424	15.68
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.077	0.100	0.121	0.126	0.129	0.111	19.77
63)		4,6-Dinitro-2-met		0.087	0.110	0.128	0.132	0.133	0.118	16.71
64)		N-Nitrosodiphenyl	0.497	0.529	0.550	0.554	0.546		0.535	4.31
65)		4-Bromophenyl-phe	0.167	0.175	0.179	0.184	0.181		0.177	3.83
66)		Hexachlorobenzene	0.195	0.202	0.209	0.210	0.209		0.205	3.19
67)		Atrazine		0.189	0.206	0.215	0.213	0.190	0.203	6.17
68)	C	Pentachlorophenol		0.078	0.097	0.118	0.124	0.132	0.110	20.02
69)		Phenanthrene	1.112	1.108	1.117	1.090	1.099		1.105	0.96
70)	S	Anthracene-d10	0.875	0.913	0.929	0.928	0.932		0.915	2.62
71)		Anthracene	1.075	1.118	1.142	1.116	1.128		1.116	2.22
72)		Carbazole		1.065	1.113	1.083	1.126	0.924	1.062	7.63
73)		Di-n-butylphthala	0.956	1.038	1.128	1.181	1.219		1.104	9.70
74)	C	Fluoranthene		1.418	1.441	1.385	1.446	1.128	1.363	9.82
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.745	0.777	0.798	0.839	0.798		0.791	4.33
77)		Pyrene	0.982	1.020	1.034	1.067	1.007		1.022	3.07
78)		Butylbenzylphthal	0.336	0.361	0.403	0.452	0.457		0.402	13.40
79)		3,3'-Dichlorobenz		0.333	0.393	0.396	0.385	0.342	0.370	8.05
80)		Benzo(a)anthracen	1.128	1.129	1.156	1.157	1.142		1.142	1.24
81)		Bis(2-ethylhexyl)	0.599	0.579	0.625	0.676	0.660		0.628	6.43
82)		Chrysene	1.116	1.118	1.111	1.104	1.085		1.107	1.19
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.010	1.075	1.148	1.111	0.970	1.063	6.84
85)		Benzo(b)fluoranth	1.078	1.133	1.152	1.113	1.143		1.124	2.62
86)		Benzo(k)fluoranth	1.098	1.063	1.095	1.118	1.034		1.082	3.07
87)	S	Benzo(a)pyrene-d1	0.862	0.866	0.895	0.893	0.895		0.882	1.91
88)	C	Benzo(a)pyrene	1.101	1.111	1.135	1.125	1.116		1.118	1.15
89)		Indeno(1,2,3-cd)p	1.398	1.392	1.419	1.384	1.451		1.409	1.90
90)		Dibenzo(a,h)anthr	1.187	1.185	1.204	1.165	1.201		1.189	1.30
91)		Benzo(g,h,i)peryl	1.178	1.174	1.210	1.189	1.291		1.208	3.98

(#) = Out of Range