Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM01.2-EPA-MA-BG021915.M
Title : SVOA CALIBRATION
Last Update : Fri Feb 20 05:07:48 2015
Response Via : Initial Calibration

Calibration Files
5 =BG016002.D 10 =BG016003.D 20 =BG016004.D
40 =BG016005.D 80 =BG016006.D

		Compound	5	10	20	40	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------						
2)		Benzaldehyde	1.402	1.156	1.196	1.176	1.083	1.203	9.92
3)	S	Phenol-d5	2.063	1.732	1.868	1.929	1.921	1.903	6.28
4)		Phenol	2.244	1.834	1.965	2.009	1.977	2.006	7.43
5)	S	Bis-(2-Chloroethyl)	1.319	1.069	1.081	1.087	1.063	1.124	9.75
6)		Bis(2-Chloroethyl)e	1.854	1.505	1.525	1.521	1.477	1.577	9.92
7)	S	2-Chlorophenol-d4	1.487	1.263	1.371	1.436	1.480	1.408	6.61
8)		2-Chlorophenol	1.520	1.294	1.380	1.432	1.441	1.414	5.90
9)		2-Methylphenol	1.538	1.322	1.392	1.432	1.452	1.427	5.55
10)		2,2'-oxybis(1-Chlor	2.440	1.916	1.910	1.910	1.848	2.005	12.23
11)	S	4-Methylphenol-d8	1.518	1.274	1.371	1.437	1.441	1.408	6.47
12)		Acetophenone	2.529	2.007	2.052	2.075	2.003	2.133	10.47
13)	P	N-Nitroso-di-n-prop	1.377	1.119	1.160	1.187	1.168	1.202	8.38
14)		4-Methylphenol	1.735	1.449	1.540	1.579	1.589	1.578	6.57
15)		Hexachloroethane	0.640	0.533	0.544	0.544	0.542	0.561	7.97
16)	I	Naphthalene-d8	----------ISTD----------						
17)	S	Nitrobenzene-d5	0.140	0.124	0.136	0.150	0.156	0.141	8.58
18)		Nitrobenzene	0.350	0.295	0.320	0.344	0.345	0.331	7.02
19)		Isophorone	0.834	0.671	0.705	0.716	0.676	0.720	9.22
20)	S	2-Nitrophenol-d4	0.125	0.110	0.125	0.140	0.152	0.130	12.27
21)	C	2-Nitrophenol	0.141	0.126	0.140	0.160	0.168	0.147	11.55
22)		2,4-Dimethylphenol	0.391	0.324	0.345	0.358	0.348	0.353	6.97
23)		Bis(2-Chloroethoxy)	0.538	0.421	0.438	0.434	0.414	0.449	11.31
24)	S	2,4-Dichlorophenol-	0.303	0.249	0.277	0.295	0.291	0.283	7.51
25)	C	2,4-Dichlorophenol	0.301	0.251	0.272	0.285	0.278	0.277	6.64
26)		Naphthalene	1.330	1.031	1.053	1.008	0.916	1.068	14.59
27)	S	4-Chloroaniline-d4	0.332	0.269	0.295	0.359	0.304	0.312	11.08
28)		4-Chloroaniline	0.324	0.270	0.290	0.342	0.291	0.304	9.60
29)	C	Hexachlorobutadiene	0.188	0.147	0.150	0.148	0.143	0.155	11.78
30)		Caprolactam	0.120	0.113	0.129	0.140	0.142	0.129	9.83
31)	C	4-Chloro-3-methylph	0.344	0.284	0.312	0.324	0.318	0.316	6.80
32)		2-Methylnaphthalene	0.910	0.724	0.730	0.720	0.664	0.750	12.45
33)	I	Acenaphthene-d10	----------ISTD----------						
34)		1,2,4,5-Tetrachloro	0.655	0.508	0.515	0.513	0.497	0.537	12.31
35)		Hexachlorocyclopent	0.240	0.191	0.232	0.252	0.274	0.238	12.74
36)	C	2,4,6-Trichlorophen	0.310	0.266	0.297	0.328	0.339	0.308	9.27
37)		2,4,5-Trichlorophen	0.361	0.292	0.338	0.363	0.368	0.344	9.19
38)		1,1'-Biphenyl	1.926	1.479	1.507	1.471	1.354	1.547	14.17
39)		2-Chloronaphthalene	1.432	1.098	1.124	1.110	1.050	1.163	13.17
40)		2-Nitroaniline	0.272	0.240	0.280	0.322	0.342	0.291	14.09
41)	S	Dimethylphthalate-d	1.551	1.263	1.333	1.301	1.238	1.337	9.33
42)		Dimethylphthalate	1.656	1.325	1.376	1.344	1.268	1.394	10.90
43)		2,6-Dinitrotoluene	0.227	0.198	0.230	0.259	0.289	0.241	14.31
44)	S	Acenaphthylene-d8	2.309	1.821	1.866	1.800	1.666	1.892	12.91
45)		Acenaphthylene	2.495	1.951	1.986	1.893	1.704	2.006	14.67
46)		3-Nitroaniline	0.262	0.223	0.263	0.304	0.289	0.268	11.54
47)	C	Acenaphthene	1.659	1.250	1.301	1.260	1.185	1.331	14.14
48)		2,4-Dinitrophenol	0.049	0.051	0.071	0.100	0.130	0.080	42.98
49)	S	4-Nitrophenol-d4	0.233	0.208	0.250	0.294	0.323	0.262	17.82
50)		4-Nitrophenol	0.129	0.128	0.149	0.169	0.175	0.150	14.62
51)		Dibenzofuran	2.278	1.718	1.732	1.663	1.524	1.783	16.18

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		Compound	5	10	20	40	80	Avg	%RSD
52)		2,4-Dinitrotoluene	0.317	0.278	0.342	0.378	0.410	0.345	14.95
53)		2,3,4,6-Tetrachloro	0.272	0.229	0.270	0.296	0.318	0.277	11.93
54)		Diethylphthalate	1.655	1.325	1.397	1.376	1.309	1.412	9.93
55)	S	Fluorene-d10	1.697	1.268	1.302	1.262	1.191	1.344	15.00
56)		Fluorene	1.962	1.502	1.514	1.456	1.342	1.555	15.27
57)		4-Chlorophenyl-phen	0.867	0.671	0.674	0.660	0.638	0.702	13.29
58)		4-Nitroaniline	0.359	0.319	0.364	0.398	0.392	0.366	8.65
59)	I	Phenanthrene-d10	----------ISTD----------						
60)	S	4,6-Dinitro-2-methy	0.054	0.050	0.067	0.088	0.102	0.072	31.11
61)		4,6-Dinitro-2-methy	0.057	0.054	0.074	0.094	0.108	0.077	30.35
62)		N-Nitrosodiphenylam	0.745	0.599	0.610	0.607	0.562	0.625	11.21
63)		4-Bromophenyl-pheny	0.247	0.190	0.197	0.200	0.192	0.205	11.61
64)		Hexachlorobenzene	0.282	0.219	0.223	0.220	0.218	0.232	11.84
65)		Atrazine	0.210	0.183	0.199	0.208	0.206	0.201	5.53
66)	C	Pentachlorophenol	0.066	0.069	0.085	0.109	0.128	0.091	29.27#
67)		Phenanthrene	1.434	1.081	1.095	1.045	0.906	1.112	17.53
68)	S	Anthracene-d10	1.177	0.920	0.928	0.903	0.815	0.949	14.26
69)		Anthracene	1.450	1.115	1.131	1.067	0.914	1.135	17.23
70)		1,2,3,4-Tetrachloro	0.305	0.237	0.245	0.246	0.238	0.254	11.37
71)		Pentachlorobenzene	0.294	0.237	0.243	0.240	0.232	0.249	10.15
72)		Carbazole	1.321	1.035	1.067	1.034	0.900	1.071	14.33
73)		Di-n-butylphthalate	1.272	1.083	1.188	1.183	0.998	1.145	9.26
74)	C	Fluoranthene	1.540	1.189	1.212	1.163	0.981	1.217	16.63
75)	I	Chrysene-d12	----------ISTD----------						
76)	S	Pyrene-d10	1.179	0.897	0.923	0.884	0.814	0.939	14.90
77)		Pyrene	1.585	1.206	1.216	1.121	0.954	1.217	19.01
78)		Butylbenzylphthalat	0.485	0.400	0.486	0.513	0.498	0.476	9.23
79)		3,3'-Dichlorobenzid	0.276	0.227	0.276	0.306	0.287	0.274	10.70
80)		Benzo(a)anthracene	1.423	1.083	1.115	1.042	0.900	1.112	17.24
81)		Bis(2-ethylhexyl)ph	0.647	0.525	0.642	0.674	0.636	0.625	9.20
82)		Chrysene	1.362	1.044	1.058	0.985	0.850	1.060	17.72
83)	I	Perylene-d12	----------ISTD----------						
84)		Di-n-octyl phthalat	1.099	0.918	1.080	1.147	1.044	1.058	8.20
85)		Benzo(b)fluoranthen	1.336	1.066	1.104	1.067	1.005	1.115	11.48
86)		Benzo(k)fluoranthen	1.364	1.077	1.126	1.087	0.947	1.120	13.56
87)	S	Benzo(a)pyrene-d12	1.067	0.841	0.885	0.890	0.852	0.907	10.14
88)	C	Benzo(a)pyrene	1.328	1.061	1.097	1.069	0.985	1.108	11.70
89)		Indeno(1,2,3-cd)pyr	1.510	1.184	1.263	1.261	1.225	1.289	9.92
90)		Dibenzo(a,h)anthrac	1.248	0.994	1.059	1.069	1.018	1.077	9.28
91)		Benzo(g,h,i)perylen	1.265	0.985	1.050	1.053	1.030	1.077	10.11

(#) = Out of Range