Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG122415.M
Title : SVOA CALIBRATION
Last Update : Mon Dec 28 04:59:10 2015
Response Via : Initial Calibration

Calibration Files
5 =BG020468.D 10 =BG020469.D 20 =BG020559.D
40 =BG020471.D 80 =BG020472.D 160 =BG020473.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	----------	ISTD	----------	----------	----------		
2)		1,4-Dioxane	0.349	0.437	0.461	0.414	0.419		0.416	10.02
3)	S	1,4-Dioxane-d8	0.345	0.358	0.396	0.376	0.339		0.363	6.48
4)		Benzaldehyde		0.940	1.158	1.081	0.968	0.717	0.973	17.23
5)	S	Phenol-d5		1.363	1.738	1.598	1.666	1.658	1.605	8.96
6)		Phenol		1.428	1.777	1.690	1.739	1.722	1.671	8.34
7)	S	Bis-(2-Chloroethy		0.860	1.039	0.969	0.964	0.921	0.951	6.94
8)		Bis(2-Chloroethyl		1.119	1.284	1.273	1.226	1.189	1.218	5.54
9)	S	2-Chlorophenol-d4	1.101	1.114	1.378	1.267	1.296		1.231	9.75
10)		2-Chlorophenol	1.142	1.195	1.444	1.314	1.332		1.285	9.27
11)		2-Methylphenol		1.101	1.397	1.305	1.348	1.334	1.297	8.83
12)		2,2'-oxybis(1-Chl		1.471	1.754	1.589	1.563	1.515	1.579	6.85
13)	S	4-Methylphenol-d8		1.133	1.475	1.352	1.405	1.387	1.350	9.59
14)		Acetophenone		1.958	2.375	2.166	2.200	2.119	2.164	6.93
15)	P	N-Nitroso-di-n-pr	0.984	0.998	1.222	1.118	1.147		1.094	9.26
16)		4-Methylphenol		1.205	1.528	1.404	1.455	1.444	1.407	8.63
17)		Hexachloroethane	0.504	0.514	0.596	0.552	0.547		0.543	6.69
18)	I	Naphthalene-d8	----------	----------	ISTD	----------	----------	----------		
19)	S	Nitrobenzene-d5	0.143	0.149	0.171	0.162	0.158		0.157	7.04
20)		Nitrobenzene	0.365	0.371	0.430	0.401	0.388		0.391	6.66
21)		Isophorone	0.685	0.712	0.813	0.746	0.736		0.738	6.52
22)	S	2-Nitrophenol-d4	0.148	0.168	0.196	0.191	0.189		0.178	11.31
23)	C	2-Nitrophenol	0.168	0.178	0.201	0.198	0.197		0.188	7.80
24)		2,4-Dimethylpheno	0.350	0.380	0.447	0.414	0.409		0.400	9.21
25)		Bis(2-Chloroethox	0.392	0.395	0.448	0.408	0.410		0.410	5.44
26)	S	2,4-Dichloropheno	0.302	0.325	0.385	0.357	0.356		0.345	9.33
27)	C	2,4-Dichloropheno	0.313	0.332	0.392	0.366	0.366		0.354	8.84
28)		Naphthalene	1.027	1.041	1.160	1.060	1.027		1.063	5.26
29)	S	4-Chloroaniline-d		0.370	0.445	0.424	0.393	0.338	0.394	10.72
30)		4-Chloroaniline		0.371	0.452	0.423	0.399	0.342	0.397	10.84
31)	C	Hexachlorobutadie	0.292	0.281	0.316	0.302	0.287		0.296	4.64
32)		Caprolactam		0.101	0.121	0.113	0.122	0.112	0.114	7.51
33)	C	4-Chloro-3-methyl	0.319	0.343	0.422	0.386	0.383		0.371	10.85
34)		2-Methylnaphthale	0.754	0.753	0.858	0.788	0.780		0.787	5.43
35)		1-Methylnaphthale	0.724	0.703	0.827	0.745	0.737		0.747	6.37
36)	I	Acenaphthene-d10	----------	----------	ISTD	----------	----------	----------		
37)		1,2,4,5-Tetrachlo	0.790	0.791	0.867	0.814	0.786		0.810	4.15
38)		Hexachlorocyclope		0.328	0.433	0.455	0.480	0.511	0.441	15.84
39)	C	2,4,6-Trichloroph	0.420	0.465	0.532	0.495	0.492		0.481	8.59
40)		2,4,5-Trichloroph	0.477	0.507	0.571	0.540	0.536		0.526	6.80
41)		1,1'-Biphenyl	1.505	1.483	1.672	1.551	1.506		1.544	4.91
42)		2-Chloronaphthale	1.230	1.227	1.331	1.244	1.194		1.245	4.12
43)		2-Nitroaniline	0.297	0.320	0.385	0.376	0.368		0.349	11.00
44)	S	Dimethylphthalate	1.633	1.587	1.810	1.642	1.571		1.648	5.75
45)		Dimethylphthalate	1.641	1.633	1.836	1.678	1.591		1.676	5.65
46)		2,6-Dinitrotoluen	0.302	0.311	0.380	0.361	0.350		0.341	9.75
47)	S	Acenaphthylene-d8	1.835	1.883	2.081	1.904	1.846		1.910	5.21
48)		Acenaphthylene	1.934	1.954	2.206	2.018	1.926		2.008	5.80
49)		3-Nitroaniline		0.292	0.351	0.344	0.307	0.279	0.315	10.14
50)	C	Acenaphthene	1.332	1.323	1.461	1.364	1.307		1.357	4.53
51)		2,4-Dinitrophenol		0.154	0.210	0.233	0.240	0.254	0.218	17.90

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.216	0.300	0.291	0.287	0.279	0.275	12.22
53)		4-Nitrophenol		0.203	0.265	0.265	0.258	0.252	0.249	10.54
54)		Dibenzofuran	2.005	1.916	2.230	2.017	1.927		2.019	6.26
55)		2,4-Dinitrotoluen	0.454	0.491	0.569	0.529	0.505		0.510	8.41
56)		2,3,4,6-Tetrachlo	0.469	0.481	0.567	0.541	0.532		0.518	8.07
57)		Diethylphthalate	1.684	1.660	1.888	1.727	1.641		1.720	5.78
58)	S	Fluorene-d10	1.469	1.448	1.630	1.485	1.421		1.491	5.47
59)		Fluorene	1.586	1.595	1.816	1.636	1.549		1.636	6.43
60)		4-Chlorophenyl-ph	0.937	0.917	1.031	0.939	0.909		0.947	5.17
61)		4-Nitroaniline		0.328	0.384	0.375	0.351	0.329	0.353	7.31
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.114	0.135	0.135	0.137	0.141	0.133	7.95
64)		4,6-Dinitro-2-met		0.120	0.147	0.146	0.145	0.147	0.141	8.23
65)		N-Nitrosodiphenyl	0.531	0.541	0.611	0.559	0.553		0.559	5.56
66)		4-Bromophenyl-phe	0.232	0.239	0.268	0.253	0.252		0.249	5.60
67)		Hexachlorobenzene	0.269	0.270	0.301	0.276	0.274		0.278	4.80
68)		Atrazine		0.243	0.267	0.247	0.245	0.237	0.248	4.54
69)	C	Pentachlorophenol		0.125	0.151	0.151	0.159	0.166	0.150	10.29
70)		Phenanthrene	1.103	1.099	1.213	1.096	1.053		1.113	5.35
71)	S	Anthracene-d10	0.929	0.926	1.006	0.930	0.893		0.937	4.46
72)		Anthracene	1.126	1.144	1.235	1.119	1.066		1.138	5.43
73)		1,2,3,4-Tetrachlo	0.308	0.331	0.355	0.338	0.337		0.334	5.11
74)		Pentachlorobenzen	0.292	0.303	0.331	0.308	0.314		0.310	4.68
75)		Carbazole		0.959	1.044	0.975	0.928	0.888	0.959	6.05
76)		Di-n-butylphthala	1.131	1.159	1.233	1.121	1.072		1.143	5.18
77)	C	Fluoranthene		1.457	1.571	1.415	1.324	1.230	1.399	9.28
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.858	0.837	0.938	0.871	0.825		0.866	5.08
80)		Pyrene	1.151	1.128	1.236	1.110	1.030		1.131	6.59
81)		Butylbenzylphthal	0.381	0.389	0.438	0.408	0.395		0.402	5.55
82)		3,3'-Dichlorobenz		0.401	0.437	0.417	0.383	0.320	0.392	11.42
83)		Benzo(a)anthracen	1.167	1.148	1.279	1.168	1.111		1.175	5.34
84)		Bis(2-ethylhexyl)	0.570	0.571	0.640	0.586	0.574		0.588	5.04
85)		Chrysene	1.112	1.123	1.225	1.097	1.037		1.119	6.07
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.010	1.151	1.038	1.009	0.967	1.035	6.72
88)		Benzo(b)fluoranth	1.141	1.167	1.339	1.180	1.176		1.200	6.57
89)		Benzo(k)fluoranth	1.151	1.132	1.248	1.164	1.107		1.160	4.60
90)	S	Benzo(a)pyrene-d1	0.963	0.973	1.112	1.009	0.999		1.011	5.89
91)	C	Benzo(a)pyrene	1.121	1.125	1.266	1.136	1.122		1.154	5.45
92)		Indeno(1,2,3-cd)p	1.344	1.316	1.484	1.381	1.384		1.382	4.60
93)		Dibenzo(a,h)anthr	1.091	1.094	1.240	1.158	1.151		1.147	5.30
94)		Benzo(g,h,i)peryl	1.089	1.090	1.224	1.133	1.139		1.135	4.86

(#) = Out of Range