Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG121415.M
Title : SVOA CALIBRATION
Last Update : Mon Dec 14 17:35:46 2015
Response Via : Initial Calibration

Calibration Files
5 =BG020143.D 10 =BG020144.D 20 =BG020145.D
40 =BG020146.D 80 =BG020147.D 160 =BG020148.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.662	0.574	0.513	0.479	0.448		0.535	15.91
3)	S	1,4-Dioxane-d8	0.381	0.338	0.391	0.356	0.345		0.362	6.43
4)		Benzaldehyde		1.199	1.220	1.255	1.149	0.885	1.142	13.01
5)	S	Phenol-d5		1.650	1.707	1.822	1.757	1.883	1.764	5.22
6)		Phenol		1.859	1.870	1.909	1.841	1.964	1.889	2.59
7)	S	Bis-(2-Chloroethy		0.988	1.065	1.114	1.031	1.064	1.052	4.42
8)		Bis(2-Chloroethyl		1.270	1.319	1.332	1.270	1.289	1.296	2.19
9)	S	2-Chlorophenol-d4	1.198	1.249	1.302	1.356	1.309		1.283	4.73
10)		2-Chlorophenol	1.247	1.325	1.368	1.412	1.365		1.343	4.62
11)		2-Methylphenol		1.422	1.435	1.462	1.382	1.502	1.441	3.13
12)		2,2'-oxybis(1-Chl		1.857	1.887	1.926	1.816	1.846	1.866	2.26
13)	S	4-Methylphenol-d8		1.422	1.521	1.556	1.469	1.573	1.508	4.13
14)		Acetophenone		2.376	2.389	2.403	2.248	2.392	2.362	2.73
15)	P	N-Nitroso-di-n-pr	1.190	1.283	1.290	1.276	1.212		1.250	3.67
16)		4-Methylphenol		1.557	1.620	1.619	1.529	1.648	1.595	3.11
17)		Hexachloroethane	0.600	0.550	0.570	0.552	0.552		0.565	3.77
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.148	0.147	0.159	0.162	0.164		0.156	5.17
20)		Nitrobenzene	0.391	0.408	0.421	0.430	0.417		0.413	3.57
21)		Isophorone	0.743	0.780	0.821	0.815	0.785		0.789	3.96
22)	S	2-Nitrophenol-d4	0.149	0.164	0.180	0.186	0.188		0.173	9.69
23)	C	2-Nitrophenol	0.165	0.175	0.192	0.197	0.201		0.186	8.26
24)		2,4-Dimethylpheno	0.401	0.420	0.433	0.430	0.427		0.422	3.01
25)		Bis(2-Chloroethox	0.408	0.419	0.443	0.435	0.431		0.427	3.22
26)	S	2,4-Dichloropheno	0.327	0.342	0.363	0.367	0.357		0.351	4.70
27)	C	2,4-Dichloropheno	0.327	0.366	0.374	0.369	0.368		0.361	5.32
28)		Naphthalene	1.034	1.024	1.079	1.046	1.039		1.044	2.00
29)	S	4-Chloroaniline-d		0.397	0.425	0.429	0.387	0.336	0.395	9.49
30)		4-Chloroaniline		0.411	0.436	0.434	0.396	0.337	0.403	10.09
31)	C	Hexachlorobutadie	0.260	0.271	0.274	0.268	0.272		0.269	2.03
32)		Caprolactam		0.122	0.134	0.131	0.127	0.122	0.127	4.27
33)	C	4-Chloro-3-methyl	0.425	0.432	0.446	0.424	0.418		0.429	2.55
34)		2-Methylnaphthale	0.792	0.806	0.823	0.786	0.782		0.798	2.08
35)		1-Methylnaphthale	0.764	0.775	0.779	0.767	0.750		0.767	1.47
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.741	0.724	0.770	0.757	0.759		0.751	2.38
38)		Hexachlorocyclope		0.396	0.438	0.473	0.504	0.509	0.464	10.21
39)	C	2,4,6-Trichloroph	0.475	0.469	0.487	0.485	0.491		0.481	1.86
40)		2,4,5-Trichloroph	0.526	0.520	0.559	0.537	0.533		0.535	2.72
41)		1,1'-Biphenyl	1.493	1.521	1.538	1.504	1.489		1.509	1.36
42)		2-Chloronaphthale	1.192	1.219	1.235	1.205	1.189		1.208	1.59
43)		2-Nitroaniline	0.385	0.400	0.426	0.423	0.419		0.411	4.24
44)	S	Dimethylphthalate	1.627	1.598	1.677	1.613	1.574		1.618	2.39
45)		Dimethylphthalate	1.712	1.642	1.697	1.623	1.588		1.652	3.12
46)		2,6-Dinitrotoluen	0.322	0.331	0.359	0.348	0.349		0.342	4.43
47)	S	Acenaphthylene-d8	1.875	1.867	1.954	1.874	1.841		1.882	2.25
48)		Acenaphthylene	2.003	1.992	2.053	2.010	1.940		2.000	2.02
49)		3-Nitroaniline		0.325	0.362	0.361	0.329	0.281	0.332	9.98
50)	C	Acenaphthene	1.357	1.339	1.383	1.337	1.312		1.345	1.96
51)		2,4-Dinitrophenol		0.111	0.179	0.207	0.233	0.243	0.195	27.26

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.250	0.311	0.299	0.303	0.288	0.290	8.29
53)		4-Nitrophenol		0.249	0.297	0.286	0.292	0.272	0.279	6.98
54)		Dibenzofuran	2.073	1.992	2.061	1.976	1.905		2.001	3.41
55)		2,4-Dinitrotoluen	0.476	0.481	0.539	0.512	0.501		0.502	5.11
56)		2,3,4,6-Tetrachlo	0.494	0.485	0.541	0.523	0.530		0.515	4.69
57)		Diethylphthalate	1.748	1.688	1.789	1.709	1.639		1.715	3.34
58)	S	Fluorene-d10	1.519	1.473	1.495	1.435	1.415		1.467	2.90
59)		Fluorene	1.634	1.620	1.652	1.601	1.529		1.607	2.95
60)		4-Chlorophenyl-ph	0.928	0.901	0.928	0.904	0.871		0.906	2.59
61)		4-Nitroaniline		0.340	0.389	0.378	0.370	0.317	0.359	8.23
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.091	0.112	0.124	0.131	0.135	0.119	15.10
64)		4,6-Dinitro-2-met		0.097	0.122	0.136	0.138	0.142	0.127	14.35
65)		N-Nitrosodiphenyl	0.537	0.561	0.558	0.571	0.553		0.556	2.20
66)		4-Bromophenyl-phe	0.221	0.235	0.235	0.244	0.239		0.235	3.54
67)		Hexachlorobenzene	0.242	0.247	0.251	0.263	0.257		0.252	3.28
68)		Atrazine		0.228	0.244	0.247	0.239	0.227	0.237	3.89
69)	C	Pentachlorophenol		0.118	0.148	0.163	0.164	0.167	0.152	13.37
70)		Phenanthrene	1.117	1.103	1.103	1.099	1.048		1.094	2.42
71)	S	Anthracene-d10	0.936	0.921	0.934	0.928	0.889		0.922	2.08
72)		Anthracene	1.115	1.123	1.129	1.123	1.058		1.110	2.66
73)		1,2,3,4-Tetrachlo	0.288	0.312	0.310	0.328	0.328		0.313	5.22
74)		Pentachlorobenzen	0.267	0.294	0.292	0.301	0.299		0.291	4.65
75)		Carbazole		0.919	0.994	0.978	0.917	0.854	0.932	5.98
76)		Di-n-butylphthala	1.072	1.056	1.131	1.105	1.052		1.083	3.14
77)	C	Fluoranthene		1.276	1.381	1.352	1.270	1.114	1.279	8.12
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.950	0.925	0.949	0.938	0.899		0.932	2.28
80)		Pyrene	1.259	1.220	1.256	1.202	1.116		1.210	4.80
81)		Butylbenzylphthal	0.403	0.405	0.429	0.434	0.431		0.421	3.63
82)		3,3'-Dichlorobenz		0.368	0.379	0.406	0.371	0.303	0.365	10.37
83)		Benzo(a)anthracen	1.165	1.153	1.207	1.181	1.129		1.167	2.50
84)		Bis(2-ethylhexyl)	0.582	0.592	0.614	0.614	0.605		0.601	2.33
85)		Chrysene	1.112	1.101	1.130	1.102	1.050		1.099	2.69
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.081	1.137	1.145	1.101	1.031	1.099	4.22
88)		Benzo(b)fluoranth	1.166	1.167	1.246	1.251	1.188		1.204	3.51
89)		Benzo(k)fluoranth	1.125	1.169	1.165	1.174	1.143		1.155	1.76
90)	S	Benzo(a)pyrene-d1	0.953	0.970	1.017	1.031	1.017		0.998	3.41
91)	C	Benzo(a)pyrene	1.098	1.129	1.171	1.169	1.138		1.141	2.67
92)		Indeno(1,2,3-cd)p	1.291	1.307	1.387	1.417	1.392		1.359	4.13
93)		Dibenzo(a,h)anthr	1.079	1.088	1.147	1.174	1.152		1.128	3.70
94)		Benzo(g,h,i)peryl	1.062	1.088	1.116	1.160	1.145		1.114	3.60

(#) = Out of Range