Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG111615.M
Title : SVOA CALIBRATION
Last Update : Mon Nov 23 04:11:25 2015
Response Via : Initial Calibration

Calibration Files
5 =BG019639.D 10 =BG019640.D 20 =BG019792.D
40 =BG019642.D 80 =BG019643.D 160 =BG019644.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.693	0.618	0.416	0.486	0.456		0.534	21.97
3)	S	1,4-Dioxane-d8	0.600	0.472	0.423	0.454	0.393		0.468	17.00
4)		Benzaldehyde		1.794	1.666	1.596	1.361	1.048	1.493	19.72
5)	S	Phenol-d5		1.968	1.914	2.074	2.070	2.216	2.049	5.64
6)		Phenol		2.153	2.067	2.278	2.217	2.348	2.212	4.92
7)	S	Bis-(2-Chloroethy		1.401	1.323	1.345	1.319	1.324	1.342	2.54
8)		Bis(2-Chloroethyl		1.561	1.523	1.541	1.525	1.549	1.540	1.03
9)	S	2-Chlorophenol-d4	1.549	1.249	1.237	1.280	1.254		1.314	10.06
10)		2-Chlorophenol	1.458	1.237	1.183	1.268	1.273		1.284	8.10
11)		2-Methylphenol		1.593	1.569	1.635	1.615	1.733	1.629	3.88
12)		2,2'-oxybis(1-Chl		1.338	1.332	1.392	1.314	1.348	1.345	2.16
13)	S	4-Methylphenol-d8		1.658	1.611	1.721	1.704	1.788	1.696	3.94
14)		Acetophenone		2.879	2.692	2.841	2.759	2.843	2.803	2.72
15)	P	N-Nitroso-di-n-pr	2.154	1.918	1.752	1.871	1.773		1.894	8.49
16)		4-Methylphenol		1.865	1.723	1.852	1.827	1.910	1.835	3.81
17)		Hexachloroethane	0.731	0.566	0.568	0.602	0.583		0.610	11.38
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.186	0.169	0.155	0.154	0.158		0.164	8.17
20)		Nitrobenzene	0.679	0.595	0.566	0.555	0.563		0.591	8.66
21)		Isophorone	1.289	1.148	1.077	1.076	1.113		1.141	7.74
22)	S	2-Nitrophenol-d4	0.192	0.174	0.188	0.183	0.188		0.185	3.74
23)	C	2-Nitrophenol	0.218	0.200	0.187	0.195	0.201		0.200	5.69
24)		2,4-Dimethylpheno	0.603	0.529	0.500	0.508	0.524		0.533	7.68
25)		Bis(2-Chloroethox	0.628	0.574	0.537	0.541	0.542		0.565	6.83
26)	S	2,4-Dichloropheno	0.454	0.374	0.378	0.384	0.409		0.400	8.35
27)	C	2,4-Dichloropheno	0.429	0.373	0.360	0.367	0.374		0.381	7.26
28)		Naphthalene	1.297	1.066	1.025	1.000	1.013		1.080	11.46
29)	S	4-Chloroaniline-d		0.344	0.407	0.417	0.397	0.332	0.379	10.20
30)		4-Chloroaniline		0.379	0.427	0.427	0.407	0.333	0.395	10.08
31)	C	Hexachlorobutadie	0.392	0.349	0.330	0.315	0.327		0.343	8.87
32)		Caprolactam		0.168	0.152	0.152	0.156	0.146	0.155	5.37
33)	C	4-Chloro-3-methyl	0.576	0.543	0.499	0.509	0.526		0.531	5.69
34)		2-Methylnaphthale	0.963	0.863	0.842	0.805	0.834		0.862	7.04
35)		1-Methylnaphthale	0.967	0.903	0.804	0.793	0.824		0.858	8.66
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.966	0.739	0.777	0.759	0.767		0.802	11.61
38)		Hexachlorocyclope		0.366	0.444	0.468	0.506	0.552	0.467	14.93
39)	C	2,4,6-Trichloroph	0.545	0.478	0.470	0.461	0.491		0.489	6.78
40)		2,4,5-Trichloroph	0.554	0.491	0.490	0.503	0.521		0.512	5.23
41)		1,1'-Biphenyl	1.783	1.421	1.432	1.376	1.426		1.488	11.21
42)		2-Chloronaphthale	1.363	1.099	1.131	1.077	1.111		1.156	10.16
43)		2-Nitroaniline	0.533	0.479	0.482	0.464	0.485		0.489	5.41
44)	S	Dimethylphthalate	2.083	1.806	1.756	1.695	1.704		1.809	8.82
45)		Dimethylphthalate	2.138	1.713	1.761	1.669	1.687		1.794	10.91
46)		2,6-Dinitrotoluen	0.398	0.336	0.343	0.351	0.365		0.359	6.85
47)	S	Acenaphthylene-d8	2.292	1.880	1.901	1.857	1.873		1.961	9.49
48)		Acenaphthylene	2.266	1.880	1.921	1.854	1.862		1.957	8.94
49)		3-Nitroaniline		0.297	0.330	0.317	0.295	0.255	0.299	9.56
50)	C	Acenaphthene	1.587	1.237	1.299	1.288	1.288		1.340	10.48
51)		2,4-Dinitrophenol		0.184	0.218	0.235	0.267	0.275	0.236	15.62

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.284	0.282	0.280	0.295	0.284	0.285	1.95
53)		4-Nitrophenol		0.343	0.352	0.347	0.356	0.338	0.347	2.00
54)		Dibenzofuran	2.279	1.929	1.880	1.861	1.872		1.964	9.04
55)		2,4-Dinitrotoluen	0.592	0.541	0.552	0.551	0.554		0.558	3.50
56)		2,3,4,6-Tetrachlo	0.567	0.508	0.537	0.524	0.577		0.543	5.38
57)		Diethylphthalate	2.131	1.771	1.739	1.646	1.673		1.792	10.93
58)	S	Fluorene-d10	1.907	1.609	1.569	1.487	1.521		1.619	10.37
59)		Fluorene	2.018	1.724	1.637	1.590	1.617		1.717	10.21
60)		4-Chlorophenyl-ph	1.225	0.952	0.952	0.922	0.944		0.999	12.70
61)		4-Nitroaniline		0.363	0.390	0.360	0.355	0.331	0.360	5.87
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.118	0.124	0.130	0.133	0.141	0.129	6.61
64)		4,6-Dinitro-2-met		0.124	0.136	0.138	0.141	0.146	0.137	5.96
65)		N-Nitrosodiphenyl	0.608	0.547	0.517	0.510	0.512		0.539	7.71
66)		4-Bromophenyl-phe	0.267	0.237	0.233	0.232	0.234		0.240	6.27
67)		Hexachlorobenzene	0.290	0.250	0.245	0.240	0.243		0.254	8.12
68)		Atrazine		0.268	0.250	0.245	0.247	0.248	0.251	3.67
69)	C	Pentachlorophenol		0.116	0.132	0.141	0.153	0.168	0.142	13.90
70)		Phenanthrene	1.259	1.081	1.025	1.002	0.985		1.070	10.39
71)	S	Anthracene-d10	1.145	0.973	0.939	0.903	0.896		0.971	10.49
72)		Anthracene	1.255	1.105	1.045	1.007	0.984		1.079	10.03
73)		1,2,3,4-Tetrachlo	0.301	0.264	0.265	0.277	0.274		0.276	5.43
74)		Pentachlorobenzen	0.339	0.271	0.278	0.274	0.279		0.288	9.92
75)		Carbazole		0.920	0.898	0.856	0.848	0.810	0.867	5.02
76)		Di-n-butylphthala	1.306	1.158	1.106	1.036	1.015		1.124	10.35
77)	C	Fluoranthene		1.533	1.452	1.344	1.316	1.175	1.364	10.03
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.078	0.920	0.869	0.861	0.829		0.911	10.84
80)		Pyrene	1.378	1.222	1.126	1.086	1.028		1.168	11.72
81)		Butylbenzylphthal	0.431	0.373	0.382	0.359	0.378		0.384	7.10
82)		3,3'-Dichlorobenz		0.377	0.399	0.390	0.357	0.305	0.366	10.16
83)		Benzo(a)anthracen	1.436	1.207	1.191	1.123	1.103		1.212	10.95
84)		Bis(2-ethylhexyl)	0.653	0.548	0.556	0.527	0.533		0.563	9.13
85)		Chrysene	1.331	1.176	1.103	1.059	1.038		1.141	10.37
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.009	0.996	0.961	0.977	0.913	0.971	3.83
88)		Benzo(b)fluoranth	1.407	1.191	1.208	1.163	1.194		1.232	8.05
89)		Benzo(k)fluoranth	1.375	1.208	1.145	1.103	1.113		1.189	9.40
90)	S	Benzo(a)pyrene-d1	1.175	1.032	1.013	0.988	1.013		1.044	7.15
91)	C	Benzo(a)pyrene	1.385	1.168	1.143	1.112	1.125		1.186	9.52
92)		Indeno(1,2,3-cd)p	1.495	1.303	1.277	1.257	1.307		1.328	7.21
93)		Dibenzo(a,h)anthr	1.215	1.060	1.072	1.037	1.072		1.091	6.48
94)		Benzo(g,h,i)peryl	1.256	1.069	1.069	1.037	1.077		1.102	7.98

(#) = Out of Range