Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG031715.M
Title : SVOA CALIBRATION
Last Update : Wed Mar 18 18:15:45 2015
Response Via : Initial Calibration

Calibration Files
5 =BG016059.D 10 =BG016060.D 20 =BG016061.D
40 =BG016062.D 80 =BG016063.D 160 =BG016064.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.724	0.602	0.583	0.563	0.533		0.601	12.25
3)	S	1,4-Dioxane-d8	0.549	0.465	0.486	0.484	0.458		0.488	7.33
4)		Benzaldehyde		1.049	1.093	1.074	0.865	0.518	0.920	26.34
5)	S	Phenol-d5		1.693	1.805	1.892	1.833	1.806	1.806	4.00
6)		Phenol		1.893	1.984	2.077	1.972	1.931	1.971	3.52
7)	S	Bis-(2-Chloroethy		0.948	0.979	1.013	0.976	0.979	0.979	2.35
8)		Bis(2-Chloroethyl		1.517	1.564	1.596	1.522	1.485	1.537	2.82
9)	S	2-Chlorophenol-d4	1.341	1.346	1.365	1.452	1.410		1.383	3.43
10)		2-Chlorophenol	1.461	1.438	1.479	1.532	1.466		1.475	2.37
11)		2-Methylphenol		1.358	1.449	1.528	1.478	1.467	1.456	4.27
12)		2,2'-oxybis(1-Chl		1.693	1.699	1.746	1.679	1.681	1.700	1.60
13)	S	4-Methylphenol-d8		1.290	1.357	1.447	1.404	1.399	1.379	4.30
14)		Acetophenone		2.093	2.174	2.191	2.066	2.005	2.106	3.66
15)	P	N-Nitroso-di-n-pr	1.126	1.092	1.173	1.231	1.167		1.158	4.51
16)		4-Methylphenol		1.508	1.617	1.678	1.628	1.602	1.607	3.86
17)		Hexachloroethane	0.598	0.557	0.569	0.584	0.565		0.575	2.87
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.159	0.151	0.159	0.162	0.164		0.159	2.94
20)		Nitrobenzene	0.358	0.352	0.364	0.364	0.356		0.359	1.45
21)		Isophorone	0.713	0.688	0.726	0.727	0.703		0.712	2.30
22)	S	2-Nitrophenol-d4	0.131	0.138	0.153	0.166	0.173		0.152	11.70
23)	C	2-Nitrophenol	0.159	0.162	0.179	0.194	0.192		0.177	9.11
24)		2,4-Dimethylpheno	0.343	0.338	0.360	0.363	0.356		0.352	3.14
25)		Bis(2-Chloroethox	0.446	0.434	0.449	0.447	0.434		0.442	1.67
26)	S	2,4-Dichloropheno	0.264	0.263	0.289	0.296	0.294		0.281	5.86
27)	C	2,4-Dichloropheno	0.275	0.282	0.300	0.301	0.296		0.290	4.01
28)		Naphthalene	1.155	1.089	1.111	1.056	0.987		1.080	5.83
29)	S	4-Chloroaniline-d		0.379	0.448	0.420	0.369	0.281	0.379	16.78
30)		4-Chloroaniline		0.386	0.467	0.436	0.380	0.292	0.392	16.93
31)	C	Hexachlorobutadie	0.166	0.158	0.160	0.158	0.153		0.159	3.15
32)		Caprolactam		0.126	0.144	0.147	0.145	0.137	0.140	6.20
33)	C	4-Chloro-3-methyl	0.289	0.298	0.323	0.334	0.333		0.315	6.56
34)		2-Methylnaphthale	0.788	0.781	0.778	0.755	0.719		0.764	3.66
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.556	0.523	0.535	0.532	0.516		0.533	2.86
37)		Hexachlorocyclope		0.267	0.287	0.305	0.312	0.326	0.299	7.73
38)	C	2,4,6-Trichloroph	0.312	0.313	0.335	0.355	0.355		0.334	6.37
39)		2,4,5-Trichloroph	0.345	0.318	0.375	0.390	0.391		0.364	8.72
40)		1,1'-Biphenyl	1.680	1.565	1.593	1.560	1.441		1.568	5.46
41)		2-Chloronaphthale	1.267	1.178	1.190	1.173	1.107		1.183	4.83
42)		2-Nitroaniline	0.298	0.290	0.329	0.347	0.353		0.323	8.84
43)	S	Dimethylphthalate	1.380	1.286	1.324	1.300	1.229		1.304	4.23
44)		Dimethylphthalate	1.563	1.489	1.528	1.460	1.358		1.480	5.31
45)		2,6-Dinitrotoluen	0.277	0.273	0.307	0.332	0.336		0.305	9.66
46)	S	Acenaphthylene-d8	1.917	1.810	1.860	1.806	1.673		1.813	5.00
47)		Acenaphthylene	2.156	2.062	2.105	2.021	1.828		2.035	6.19
48)		3-Nitroaniline		0.308	0.388	0.377	0.349	0.329	0.350	9.39
49)	C	Acenaphthene	1.467	1.371	1.372	1.343	1.258		1.362	5.48
50)		2,4-Dinitrophenol		0.093	0.117	0.156	0.184	0.207	0.151	31.06
51)	S	4-Nitrophenol-d4		0.269	0.313	0.330	0.334	0.331	0.315	8.65

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.153	0.169	0.179	0.180	0.180	0.172	6.90
53)		Dibenzofuran	2.034	1.852	1.879	1.795	1.637		1.839	7.81
54)		2,4-Dinitrotoluen	0.391	0.407	0.457	0.476	0.475		0.441	9.03
55)		2,3,4,6-Tetrachlo	0.281	0.291	0.330	0.343	0.348		0.319	9.64
56)		Diethylphthalate	1.599	1.511	1.579	1.502	1.404		1.519	5.05
57)	S	Fluorene-d10	1.410	1.289	1.323	1.291	1.206		1.304	5.63
58)		Fluorene	1.771	1.605	1.639	1.582	1.436		1.607	7.49
59)		4-Chlorophenyl-ph	0.801	0.713	0.734	0.711	0.670		0.726	6.64
60)		4-Nitroaniline		0.403	0.438	0.430	0.417	0.428	0.423	3.18
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.077	0.096	0.117	0.128	0.137	0.111	22.11
63)		4,6-Dinitro-2-met		0.091	0.113	0.134	0.142	0.148	0.125	18.81
64)		N-Nitrosodiphenyl	0.651	0.629	0.652	0.637	0.601		0.634	3.30
65)		4-Bromophenyl-phe	0.209	0.206	0.209	0.208	0.206		0.208	0.72
66)		Hexachlorobenzene	0.243	0.233	0.238	0.232	0.227		0.235	2.58
67)		Atrazine		0.216	0.223	0.225	0.216	0.205	0.217	3.55
68)	C	Pentachlorophenol		0.099	0.124	0.141	0.147	0.156	0.133	16.89
69)		Phenanthrene	1.241	1.170	1.167	1.115	0.992		1.137	8.15
70)	S	Anthracene-d10	0.968	0.932	0.932	0.904	0.833		0.914	5.55
71)		Anthracene	1.252	1.198	1.201	1.130	0.991		1.154	8.75
72)		Carbazole		1.139	1.155	1.098	0.975	0.814	1.036	13.80
73)		Di-n-butylphthala	1.336	1.340	1.343	1.287	1.101		1.282	8.10
74)	C	Fluoranthene		1.350	1.348	1.251	1.081	0.856	1.177	17.86
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.918	0.879	0.916	0.910	0.850		0.894	3.32
77)		Pyrene	1.320	1.261	1.290	1.218	1.064		1.231	8.15
78)		Butylbenzylphthal	0.465	0.465	0.518	0.546	0.529		0.505	7.39
79)		3,3'-Dichlorobenz		0.285	0.374	0.372	0.344	0.329	0.341	10.71
80)		Benzo(a)anthracen	1.208	1.166	1.182	1.119	0.990		1.133	7.61
81)		Bis(2-ethylhexyl)	0.630	0.648	0.707	0.733	0.693		0.682	6.27
82)		Chrysene	1.173	1.109	1.126	1.051	0.931		1.078	8.62
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.137	1.244	1.257	1.155	0.913	1.141	12.09
85)		Benzo(b)fluoranth	1.202	1.154	1.196	1.129	1.059		1.148	5.05
86)		Benzo(k)fluoranth	1.170	1.116	1.199	1.172	1.073		1.146	4.44
87)	S	Benzo(a)pyrene-d1	0.871	0.844	0.893	0.891	0.863		0.872	2.32
88)	C	Benzo(a)pyrene	1.180	1.148	1.190	1.140	1.062		1.144	4.39
89)		Indeno(1,2,3-cd)p	1.330	1.268	1.357	1.348	1.315		1.323	2.66
90)		Dibenzo(a,h)anthr	1.114	1.074	1.140	1.124	1.095		1.109	2.32
91)		Benzo(g,h,i)peryl	1.119	1.087	1.128	1.127	1.099		1.112	1.62

(#) = Out of Range