Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG081816.M
Title : SVOA CALIBRATION
Last Update : Fri Aug 19 04:06:00 2016
Response Via : Initial Calibration

Calibration Files
5 =BG023753.D 10 =BG023754.D 20 =BG023774.D
40 =BG023756.D 80 =BG023757.D 160 =BG023758.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.431	0.470	0.498	0.445	0.465		0.462	5.48
3)	S	1,4-Dioxane-d8	0.470	0.447	0.440	0.407	0.439		0.441	5.14
4)		Benzaldehyde		1.270	1.379	1.327	1.218	0.854	1.210	17.18
5)	S	Phenol-d5		1.793	1.966	1.921	1.895	1.802	1.875	4.04
6)		Phenol		1.849	2.009	1.976	1.944	1.828	1.921	4.11
7)	S	Bis-(2-Chloroethy		1.303	1.358	1.306	1.254	1.204	1.285	4.57
8)		Bis(2-Chloroethyl		1.455	1.540	1.521	1.450	1.364	1.466	4.73
9)	S	2-Chlorophenol-d4	1.269	1.299	1.367	1.378	1.343		1.331	3.46
10)		2-Chlorophenol	1.308	1.314	1.414	1.409	1.344		1.358	3.76
11)		2-Methylphenol		1.373	1.517	1.513	1.469	1.434	1.461	4.10
12)		2,2'-oxybis(1-Chl		2.120	2.243	2.132	2.060	1.924	2.096	5.56
13)	S	4-Methylphenol-d8		1.378	1.520	1.501	1.486	1.448	1.466	3.83
14)		Acetophenone		2.458	2.511	2.436	2.353	2.164	2.384	5.70
15)	P	N-Nitroso-di-n-pr	1.383	1.472	1.538	1.515	1.475		1.477	4.01
16)		4-Methylphenol		1.518	1.655	1.649	1.601	1.523	1.589	4.16
17)		Hexachloroethane	0.586	0.590	0.620	0.604	0.596		0.599	2.26
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.162	0.159	0.164	0.163	0.160		0.162	1.27
20)		Nitrobenzene	0.485	0.481	0.473	0.464	0.461		0.473	2.24
21)		Isophorone	0.890	0.879	0.890	0.884	0.833		0.875	2.77
22)	S	2-Nitrophenol-d4	0.171	0.174	0.194	0.192	0.191		0.184	6.06
23)	C	2-Nitrophenol	0.201	0.194	0.205	0.200	0.192		0.198	2.54
24)		2,4-Dimethylpheno	0.420	0.425	0.445	0.429	0.423		0.428	2.33
25)		Bis(2-Chloroethox	0.493	0.506	0.504	0.483	0.475		0.492	2.73
26)	S	2,4-Dichloropheno	0.327	0.322	0.343	0.340	0.332		0.333	2.57
27)	C	2,4-Dichloropheno	0.327	0.332	0.336	0.336	0.331		0.333	1.14
28)		Naphthalene	1.066	1.065	1.057	0.994	0.932		1.023	5.76
29)	S	4-Chloroaniline-d		0.428	0.441	0.431	0.404	0.334	0.408	10.62
30)		4-Chloroaniline		0.417	0.436	0.426	0.401	0.320	0.400	11.65
31)	C	Hexachlorobutadie	0.250	0.236	0.244	0.235	0.231		0.239	3.31
32)		Caprolactam		0.126	0.131	0.134	0.130	0.126	0.130	2.50
33)	C	4-Chloro-3-methyl	0.388	0.408	0.427	0.424	0.408		0.411	3.73
34)		2-Methylnaphthale	0.781	0.798	0.805	0.779	0.733		0.779	3.57
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.694	0.654	0.671	0.669	0.635		0.664	3.31
37)		Hexachlorocyclope		0.190	0.247	0.308	0.341	0.365	0.290	24.60
38)	C	2,4,6-Trichloroph	0.443	0.430	0.436	0.442	0.433		0.437	1.29
39)		2,4,5-Trichloroph	0.444	0.443	0.462	0.471	0.440		0.452	3.03
40)		1,1'-Biphenyl	1.678	1.611	1.609	1.537	1.386		1.564	7.12
41)		2-Chloronaphthale	1.226	1.212	1.220	1.178	1.109		1.189	4.07
42)		2-Nitroaniline	0.483	0.472	0.506	0.516	0.489		0.493	3.57
43)	S	Dimethylphthalate	1.728	1.732	1.703	1.656	1.471		1.658	6.57
44)		Dimethylphthalate	1.806	1.732	1.701	1.617	1.434		1.658	8.58
45)		2,6-Dinitrotoluen	0.336	0.363	0.358	0.363	0.350		0.354	3.22
46)	S	Acenaphthylene-d8	1.938	1.961	1.936	1.881	1.672		1.878	6.32
47)		Acenaphthylene	2.053	2.058	2.035	1.931	1.704		1.956	7.68
48)		3-Nitroaniline		0.334	0.348	0.363	0.334	0.289	0.333	8.24
49)	C	Acenaphthene	1.380	1.334	1.322	1.313	1.200		1.310	5.08
50)		2,4-Dinitrophenol		0.115	0.164	0.208	0.218	0.235	0.188	25.86
51)	S	4-Nitrophenol-d4		0.246	0.266	0.283	0.277	0.269	0.268	5.30

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG081816.M
Title : SVOA CALIBRATION
Last Update : Fri Aug 19 04:06:00 2016
Response Via : Initial Calibration

Calibration Files
5 =BG023753.D 10 =BG023754.D 20 =BG023774.D
40 =BG023756.D 80 =BG023757.D 160 =BG023758.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.249	0.267	0.285	0.275	0.270	0.269	4.93
53)		Dibenzofuran	2.043	1.999	1.978	1.856	1.648		1.905	8.37
54)		2,4-Dinitrotoluen	0.492	0.541	0.521	0.534	0.498		0.517	4.16
55)		2,3,4,6-Tetrachlo	0.390	0.400	0.429	0.442	0.422		0.417	5.10
56)		Diethylphthalate	1.789	1.817	1.762	1.655	1.445		1.694	8.97
57)	S	Fluorene-d10	1.515	1.494	1.475	1.439	1.315		1.448	5.47
58)		Fluorene	1.611	1.626	1.609	1.512	1.357		1.543	7.35
59)		4-Chlorophenyl-ph	0.810	0.797	0.786	0.785	0.721		0.780	4.40
60)		4-Nitroaniline		0.353	0.385	0.394	0.367	0.352	0.370	5.06
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.107	0.127	0.129	0.137	0.134	0.127	9.22
63)		4,6-Dinitro-2-met		0.115	0.132	0.136	0.142	0.137	0.132	7.68
64)		N-Nitrosodiphenyl	0.630	0.596	0.622	0.570	0.541		0.592	6.24
65)		4-Bromophenyl-phe	0.235	0.225	0.240	0.224	0.228		0.230	2.92
66)		Hexachlorobenzene	0.260	0.242	0.255	0.244	0.239		0.248	3.71
67)		Atrazine		0.253	0.260	0.244	0.238	0.217	0.243	6.82
68)	C	Pentachlorophenol		0.075	0.096	0.111	0.126	0.129	0.108	20.59#
69)		Phenanthrene	1.155	1.109	1.127	1.001	0.900		1.059	10.03
70)	S	Anthracene-d10	0.999	0.952	0.976	0.880	0.803		0.922	8.70
71)		Anthracene	1.220	1.153	1.146	1.022	0.903		1.089	11.60
72)		Carbazole		1.002	1.032	0.915	0.826	0.667	0.888	16.61
73)		Di-n-butylphthala	1.329	1.311	1.299	1.112	0.958		1.202	13.49
74)	C	Fluoranthene		1.363	1.356	1.176	1.005	0.739	1.128	23.30#
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.003	0.995	1.009	0.945	0.845		0.960	7.15
77)		Pyrene	1.288	1.263	1.269	1.139	0.952		1.182	11.98
78)		Butylbenzylphthal	0.572	0.551	0.552	0.518	0.479		0.535	6.82
79)		3,3'-Dichlorobenz		0.400	0.440	0.428	0.391	0.329	0.397	10.86
80)		Benzo(a)anthracen	1.260	1.216	1.207	1.103	0.993		1.156	9.31
81)		Bis(2-ethylhexyl)	0.783	0.736	0.747	0.695	0.635		0.719	7.88
82)		Chrysene	1.112	1.101	1.090	1.001	0.898		1.041	8.74
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.284	1.321	1.216	1.068	0.858	1.150	16.46
85)		Benzo(b)fluoranth	1.163	1.191	1.211	1.165	1.085		1.163	4.12
86)		Benzo(k)fluoranth	1.205	1.142	1.167	1.077	1.024		1.123	6.42
87)	S	Benzo(a)pyrene-d1	0.925	0.924	0.935	0.916	0.878		0.916	2.40
88)	C	Benzo(a)pyrene	1.165	1.135	1.158	1.093	1.028		1.116	5.05
89)		Indeno(1,2,3-cd)p	1.335	1.290	1.354	1.298	1.283		1.312	2.34
90)		Dibenzo(a,h)anthr	1.154	1.121	1.161	1.112	1.077		1.125	3.01
91)		Benzo(g,h,i)peryl	1.123	1.067	1.116	1.065	1.054		1.085	2.94

(#) = Out of Range