Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM-EPA-BG090817.M
Title : SVOA CALIBRATION
Last Update : Fri Sep 08 17:44:00 2017
Response Via : Initial Calibration

Calibration Files
5 =BG028601.D 10 =BG028602.D 20 =BG028603.D
40 =BG028604.D 80 =BG028605.D 160 =BG028606.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.555	0.544	0.486	0.502	0.481		0.514	6.61
3)	S	1,4-Dioxane-d8	0.424	0.421	0.441	0.464	0.451		0.440	4.12
4)		Benzaldehyde		1.269	1.267	1.223	1.196	1.114	1.214	5.26
5)	S	Phenol-d5		1.632	1.805	2.019	1.993	2.067	1.903	9.52
6)		Phenol		1.680	1.854	1.958	1.996	2.035	1.905	7.48
7)	S	Bis-(2-Chloroethy		1.104	1.137	1.193	1.214	1.198	1.169	3.99
8)		Bis(2-Chloroethyl		1.294	1.315	1.364	1.398	1.403	1.355	3.61
9)	S	2-Chlorophenol-d4	1.325	1.257	1.313	1.434	1.436		1.353	5.83
10)		2-Chlorophenol	1.148	1.223	1.367	1.379	1.379		1.299	8.25
11)		2-Methylphenol		1.206	1.342	1.390	1.431	1.481	1.370	7.65
12)		2,2'-oxybis(1-Chl		2.424	2.601	2.615	2.550	2.519	2.542	3.00
13)	S	4-Methylphenol-d8		1.411	1.516	1.607	1.622	1.666	1.564	6.49
14)		Acetophenone		2.060	2.178	2.315	2.296	2.390	2.248	5.76
15)	P	N-Nitroso-di-n-pr	1.172	1.119	1.280	1.302	1.282		1.231	6.56
16)		4-Methylphenol		1.384	1.440	1.572	1.555	1.604	1.511	6.23
17)		Hexachloroethane	0.533	0.601	0.551	0.557	0.565		0.561	4.48
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.156	0.159	0.171	0.176	0.177		0.168	5.75
20)		Nitrobenzene	0.435	0.480	0.459	0.476	0.465		0.463	3.80
21)		Isophorone	0.833	0.853	0.839	0.866	0.869		0.852	1.86
22)	S	2-Nitrophenol-d4	0.204	0.178	0.200	0.208	0.216		0.201	6.98
23)	C	2-Nitrophenol	0.172	0.195	0.194	0.194	0.197		0.190	5.58
24)		2,4-Dimethylpheno	0.422	0.429	0.453	0.451	0.459		0.443	3.69
25)		Bis(2-Chloroethox	0.419	0.474	0.452	0.474	0.473		0.458	5.19
26)	S	2,4-Dichloropheno	0.331	0.351	0.379	0.398	0.407		0.373	8.59
27)	C	2,4-Dichloropheno	0.329	0.321	0.337	0.366	0.363		0.343	6.00
28)		Naphthalene	1.014	1.035	1.032	1.085	1.067		1.047	2.75
29)	S	4-Chloroaniline-d		0.258	0.291	0.350	0.385	0.356	0.328	15.79
30)		4-Chloroaniline		0.255	0.278	0.337	0.363	0.330	0.313	14.17
31)	C	Hexachlorobutadie	0.281	0.282	0.280	0.283	0.291		0.284	1.54
32)		Caprolactam		0.123	0.126	0.134	0.128	0.128	0.128	3.25
33)	C	4-Chloro-3-methyl	0.383	0.418	0.422	0.433	0.424		0.416	4.63
34)		2-Methylnaphthale	0.777	0.816	0.788	0.822	0.822		0.805	2.65
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.703	0.715	0.749	0.769	0.808		0.749	5.62
37)		Hexachlorocyclope		0.151	0.230	0.308	0.375	0.424	0.297	36.89
38)	C	2,4,6-Trichloroph	0.421	0.447	0.460	0.519	0.529		0.475	9.86
39)		2,4,5-Trichloroph	0.459	0.486	0.509	0.525	0.538		0.503	6.19
40)		1,1'-Biphenyl	1.471	1.496	1.528	1.638	1.644		1.555	5.20
41)		2-Chloronaphthale	1.136	1.208	1.200	1.268	1.275		1.217	4.66
42)		2-Nitroaniline	0.438	0.442	0.451	0.485	0.518		0.467	7.27
43)	S	Dimethylphthalate	1.754	1.808	1.822	1.890	1.891		1.833	3.18
44)		Dimethylphthalate	1.652	1.709	1.654	1.712	1.714		1.688	1.91
45)		2,6-Dinitrotoluen	0.328	0.362	0.366	0.376	0.392		0.365	6.49
46)	S	Acenaphthylene-d8	1.877	2.064	2.090	2.182	2.211		2.085	6.30
47)		Acenaphthylene	1.868	1.895	1.958	2.058	2.056		1.967	4.50
48)		3-Nitroaniline		0.254	0.254	0.275	0.298	0.265	0.269	6.74
49)	C	Acenaphthene	1.307	1.319	1.313	1.379	1.409		1.346	3.40
50)		2,4-Dinitrophenol		0.096	0.131	0.186	0.224	0.250	0.178	35.91
51)	S	4-Nitrophenol-d4		0.266	0.254	0.299	0.300	0.299	0.284	7.73

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM-EPA-BG090817.M
Title : SVOA CALIBRATION
Last Update : Fri Sep 08 17:44:00 2017
Response Via : Initial Calibration

Calibration Files
5 =BG028601.D 10 =BG028602.D 20 =BG028603.D
40 =BG028604.D 80 =BG028605.D 160 =BG028606.D

		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.236	0.246	0.265	0.283	0.276	0.261	7.65
53)		Dibenzofuran	1.831	1.940	1.930	2.024	2.041		1.953	4.31
54)		2,4-Dinitrotoluen	0.499	0.533	0.537	0.566	0.577		0.543	5.69
55)		2,3,4,6-Tetrachlo	0.432	0.442	0.458	0.500	0.519		0.470	7.98
56)		Diethylphthalate	1.779	1.790	1.761	1.804	1.797		1.786	0.93
57)	S	Fluorene-d10	1.600	1.615	1.587	1.674	1.695		1.634	2.91
58)		Fluorene	1.666	1.621	1.690	1.751	1.748		1.695	3.27
59)		4-Chlorophenyl-ph	0.907	0.941	0.922	0.967	0.997		0.947	3.82
60)		4-Nitroaniline		0.353	0.376	0.358	0.368	0.349	0.361	3.02
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.117	0.133	0.142	0.151	0.161	0.141	11.96
63)		4,6-Dinitro-2-met		0.119	0.132	0.141	0.153	0.161	0.141	11.95
64)		N-Nitrosodiphenyl	0.524	0.531	0.548	0.572	0.584		0.552	4.67
65)		4-Bromophenyl-phe	0.224	0.231	0.251	0.255	0.267		0.245	7.30
66)		Hexachlorobenzene	0.245	0.245	0.260	0.273	0.282		0.261	6.37
67)		Atrazine		0.231	0.248	0.250	0.257	0.255	0.248	4.19
68)	C	Pentachlorophenol		0.085	0.101	0.122	0.135	0.152	0.119	22.42#
69)		Phenanthrene	1.033	1.019	1.056	1.082	1.079		1.054	2.65
70)	S	Anthracene-d10	1.000	0.960	1.008	1.029	1.026		1.005	2.78
71)		Anthracene	1.050	1.078	1.083	1.124	1.111		1.089	2.69
72)		Carbazole		0.903	0.930	0.958	0.954	0.922	0.933	2.48
73)		Di-n-butylphthala	1.114	1.144	1.182	1.203	1.181		1.165	3.03
74)	C	Fluoranthene		1.323	1.344	1.384	1.359	1.264	1.335	3.40
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.949	0.973	1.002	0.970	0.983		0.975	1.96
77)		Pyrene	1.147	1.162	1.180	1.153	1.129		1.154	1.61
78)		Butylbenzylphthal	0.424	0.436	0.457	0.451	0.459		0.445	3.39
79)		3,3'-Dichlorobenz		0.317	0.340	0.342	0.377	0.333	0.342	6.49
80)		Benzo(a)anthracen	1.154	1.166	1.221	1.197	1.187		1.185	2.22
81)		Bis(2-ethylhexyl)	0.621	0.617	0.638	0.639	0.645		0.632	1.91
82)		Chrysene	1.053	1.052	1.091	1.060	1.082		1.068	1.65
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.102	1.145	1.175	1.182	1.108	1.142	3.22
85)		Benzo(b)fluoranth	1.165	1.200	1.214	1.265	1.304		1.229	4.44
86)		Benzo(k)fluoranth	1.160	1.133	1.175	1.241	1.259		1.193	4.52
87)	S	Benzo(a)pyrene-d1	0.906	0.954	0.954	1.005	1.042		0.972	5.39
88)	C	Benzo(a)pyrene	1.120	1.160	1.187	1.241	1.267		1.195	4.97
89)		Indeno(1,2,3-cd)p	1.334	1.366	1.411	1.478	1.531		1.424	5.65
90)		Dibenzo(a,h)anthr	1.085	1.154	1.180	1.237	1.288		1.189	6.55
91)		Benzo(g,h,i)peryl	1.082	1.115	1.151	1.219	1.244		1.162	5.88

(#) = Out of Range