Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
Method File : SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION
Last Update : Mon Aug 05 14:28:06 2019
Response Via : Initial Calibration

Calibration Files
5 =BG041893.D 10 =BG041894.D 20 =BG041945.D
40 =BG041896.D 80 =BG041897.D 160 =BG041898.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.514	0.442	0.497	0.488	0.427		0.474	7.83
3)	S	1,4-Dioxane-d8	0.444	0.460	0.469	0.482	0.430		0.457	4.49
4)		Benzaldehyde		0.678	0.753	0.789	0.767	0.722	0.742	5.83
5)	S	Phenol-d5		1.406	1.544	1.748	1.626	1.523	1.570	8.10
6)		Phenol		1.492	1.617	1.810	1.651	1.532	1.620	7.63
7)	S	Bis-(2-Chloroethy		0.858	0.886	0.950	0.876	0.819	0.878	5.46
8)		Bis(2-Chloroethyl		1.185	1.252	1.358	1.223	1.145	1.233	6.55
9)	S	2-Chlorophenol-d4	1.304	1.247	1.348	1.451	1.359		1.342	5.61
10)		2-Chlorophenol	1.270	1.296	1.366	1.485	1.384		1.360	6.18
11)		2-Methylphenol		1.174	1.275	1.421	1.356	1.269	1.299	7.23
12)		2,2'-oxybis(1-Chl		2.068	2.134	2.279	2.057	1.887	2.085	6.80
13)	S	4-Methylphenol-d8		1.189	1.293	1.445	1.372	1.290	1.318	7.30
14)		Acetophenone		1.982	2.034	2.222	2.026	1.870	2.027	6.29
15)	P	N-Nitroso-di-n-pr	1.022	1.027	1.077	1.151	1.076		1.071	4.85
16)		4-Methylphenol		1.289	1.384	1.561	1.426	1.356	1.403	7.20
17)		Hexachloroethane	0.583	0.535	0.565	0.593	0.540		0.563	4.59
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.139	0.143	0.153	0.163	0.154		0.151	6.37
20)		Nitrobenzene	0.338	0.329	0.343	0.364	0.340		0.343	3.81
21)		Isophorone	0.653	0.658	0.695	0.740	0.672		0.684	5.18
22)	S	2-Nitrophenol-d4	0.154	0.157	0.177	0.196	0.190		0.175	10.93
23)	C	2-Nitrophenol	0.163	0.172	0.192	0.209	0.197		0.187	10.09
24)		2,4-Dimethylpheno	0.350	0.349	0.379	0.403	0.361		0.368	6.17
25)		Bis(2-Chloroethox	0.391	0.379	0.421	0.439	0.400		0.406	5.91
26)	S	2,4-Dichloropheno	0.311	0.334	0.362	0.391	0.366		0.353	8.78
27)	C	2,4-Dichloropheno	0.336	0.326	0.357	0.380	0.352		0.350	5.91
28)		Naphthalene	1.053	1.010	1.037	1.073	0.939		1.022	5.09
29)	S	4-Chloroaniline-d		0.333	0.412	0.462	0.406	0.344	0.392	13.52
30)		4-Chloroaniline		0.349	0.412	0.460	0.406	0.341	0.394	12.51
31)	C	Hexachlorobutadie	0.270	0.252	0.272	0.281	0.253		0.266	4.78
32)		Caprolactam		0.095	0.113	0.126	0.121	0.110	0.113	10.55
33)	C	4-Chloro-3-methyl	0.318	0.321	0.348	0.386	0.351		0.345	7.94
34)		2-Methylnaphthale	0.830	0.785	0.827	0.864	0.757		0.813	5.17
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.721	0.713	0.727	0.750	0.665		0.715	4.36
37)		Hexachlorocyclope		0.417	0.450	0.485	0.465	0.440	0.451	5.71
38)	C	2,4,6-Trichloroph	0.392	0.425	0.451	0.487	0.457		0.443	8.08
39)		2,4,5-Trichloroph	0.460	0.465	0.506	0.542	0.496		0.494	6.72
40)		1,1'-Biphenyl	1.529	1.454	1.502	1.510	1.276		1.454	7.12
41)		2-Chloronaphthale	1.185	1.169	1.199	1.233	1.068		1.171	5.30
42)		2-Nitroaniline	0.270	0.280	0.316	0.347	0.319		0.306	10.18
43)	S	Dimethylphthalate	1.581	1.539	1.585	1.652	1.398		1.551	6.09
44)		Dimethylphthalate	1.618	1.541	1.579	1.617	1.346		1.540	7.35
45)		2,6-Dinitrotoluen	0.305	0.303	0.346	0.376	0.344		0.335	9.21
46)	S	Acenaphthylene-d8	1.818	1.754	1.840	1.870	1.579		1.772	6.55
47)		Acenaphthylene	1.877	1.816	1.853	1.865	1.531		1.788	8.15
48)		3-Nitroaniline		0.227	0.262	0.308	0.278	0.260	0.267	11.00
49)	C	Acenaphthene	1.298	1.219	1.283	1.320	1.132		1.250	6.08
50)		2,4-Dinitrophenol		0.089	0.156	0.208	0.229	0.234	0.183	33.45
51)	S	4-Nitrophenol-d4		0.215	0.259	0.296	0.273	0.259	0.260	11.30

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.151	0.195	0.220	0.204	0.195	0.193	13.36
53)		Dibenzofuran	1.988	1.889	1.937	1.939	1.578		1.866	8.83
54)		2,4-Dinitrotoluen	0.452	0.446	0.508	0.547	0.484		0.487	8.57
55)		2,3,4,6-Tetrachlo	0.420	0.437	0.476	0.525	0.481		0.468	8.78
56)		Diethylphthalate	1.570	1.513	1.590	1.638	1.350		1.532	7.27
57)	S	Fluorene-d10	1.423	1.352	1.436	1.466	1.224		1.380	7.02
58)		Fluorene	1.616	1.508	1.546	1.566	1.280		1.503	8.69
59)		4-Chlorophenyl-ph	0.896	0.873	0.889	0.918	0.788		0.873	5.74
60)		4-Nitroaniline		0.244	0.290	0.335	0.315	0.304	0.298	11.43
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.096	0.123	0.142	0.143	0.139	0.128	15.59
63)		4,6-Dinitro-2-met		0.104	0.129	0.157	0.155	0.147	0.138	16.16
64)		N-Nitrosodiphenyl	0.609	0.586	0.608	0.623	0.541		0.593	5.44
65)		4-Bromophenyl-phe	0.262	0.254	0.269	0.282	0.256		0.265	4.33
66)		Hexachlorobenzene	0.265	0.257	0.270	0.285	0.253		0.266	4.80
67)		Atrazine		0.246	0.260	0.277	0.241	0.220	0.249	8.53
68)	C	Pentachlorophenol		0.093	0.126	0.168	0.171	0.168	0.145	23.90#
69)		Phenanthrene	1.178	1.113	1.144	1.138	0.901		1.095	10.10
70)	S	Anthracene-d10	1.011	0.965	1.006	0.998	0.818		0.960	8.47
71)		Anthracene	1.199	1.147	1.171	1.134	0.902		1.110	10.75
72)		1,2,3,4-Tetrachlo	0.323	0.310	0.318	0.331	0.312		0.319	2.69
73)		Pentachlorobenzen	0.325	0.315	0.324	0.335	0.311		0.322	2.95
74)		Carbazole		0.995	1.042	1.037	0.841	0.685	0.920	16.82
75)		Di-n-butylphthala	1.209	1.153	1.215	1.188	0.904		1.134	11.55
76)	C	Fluoranthene		1.481	1.534	1.441	1.067	0.802	1.265	25.12#
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	1.185	1.127	1.165	1.160	0.943		1.116	8.88
79)		Pyrene	1.537	1.403	1.417	1.355	1.014		1.345	14.65
80)		Butylbenzylphthal	0.554	0.513	0.546	0.557	0.478		0.530	6.35
81)		3,3'-Dichlorobenz		0.429	0.476	0.530	0.459	0.379	0.455	12.30
82)		Benzo(a)anthracen	1.517	1.436	1.439	1.408	1.133		1.387	10.65
83)		Bis(2-ethylhexyl)	0.764	0.714	0.749	0.757	0.629		0.722	7.69
84)		Chrysene	1.450	1.297	1.343	1.328	1.054		1.294	11.28
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.066	1.112	1.128	0.914	0.728	0.990	17.10
87)		Benzo(b)fluoranth	1.328	1.237	1.289	1.312	1.109		1.255	7.04
88)		Benzo(k)fluoranth	1.270	1.255	1.249	1.245	1.015		1.207	8.91
89)	S	Benzo(a)pyrene-d1	1.044	1.031	1.070	1.113	0.966		1.045	5.17
90)	C	Benzo(a)pyrene	1.242	1.201	1.232	1.255	1.049		1.196	7.07
91)		Indeno(1,2,3-cd)p	1.364	1.360	1.428	1.481	1.342		1.395	4.17
92)		Dibenzo(a,h)anthr	1.115	1.123	1.173	1.213	1.065		1.138	5.00
93)		Benzo(g,h,i)peryl	1.164	1.130	1.182	1.236	1.111		1.165	4.17

(#) = Out of Range