Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM-EPA-BG072717MA.M
Title : SVOA CALIBRATION
Last Update : Fri Jul 28 02:09:08 2017
Response Via : Initial Calibration

Calibration Files
5 =BG028029.D 10 =BG028030.D 20 =BG028036.D
40 =BG028032.D 80 =BG028033.D 160 =BG028034.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.321	0.327	0.350	0.320	0.336		0.331	3.73
3)	S	1,4-Dioxane-d8	0.249	0.338	0.326	0.309	0.321		0.309	11.33
4)		Benzaldehyde		0.841	0.847	0.912	0.752	0.386	0.748	28.06
5)	S	Phenol-d5		1.233	1.440	1.570	1.646	1.665	1.511	11.84
6)		Phenol		1.229	1.427	1.522	1.562	1.585	1.465	9.92
7)	S	Bis-(2-Chloroethy		0.708	0.763	0.770	0.773	0.764	0.755	3.58
8)		Bis(2-Chloroethyl		0.925	1.063	1.070	1.068	1.059	1.037	6.04
9)	S	2-Chlorophenol-d4	1.156	1.126	1.298	1.359	1.428		1.274	10.18
10)		2-Chlorophenol	1.077	1.067	1.186	1.260	1.275		1.173	8.37
11)		2-Methylphenol		1.000	1.116	1.135	1.218	1.243	1.142	8.39
12)		2,2'-oxybis(1-Chl		1.374	1.398	1.392	1.337	1.307	1.361	2.85
13)	S	4-Methylphenol-d8		1.121	1.338	1.391	1.443	1.449	1.349	10.02
14)		Acetophenone		1.811	1.915	2.020	2.021	2.030	1.959	4.86
15)	P	N-Nitroso-di-n-pr	0.805	0.888	0.955	0.985	0.967		0.920	8.05
16)		4-Methylphenol		1.109	1.238	1.313	1.335	1.342	1.267	7.69
17)		Hexachloroethane	0.494	0.432	0.465	0.481	0.475		0.469	5.01
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.134	0.135	0.137	0.144	0.149		0.140	4.80
20)		Nitrobenzene	0.283	0.309	0.302	0.304	0.304		0.300	3.39
21)		Isophorone	0.509	0.560	0.591	0.606	0.602		0.574	7.04
22)	S	2-Nitrophenol-d4	0.167	0.166	0.177	0.189	0.191		0.178	6.74
23)	C	2-Nitrophenol	0.155	0.160	0.172	0.182	0.189		0.172	8.18
24)		2,4-Dimethylpheno	0.313	0.333	0.350	0.360	0.359		0.343	5.82
25)		Bis(2-Chloroethox	0.304	0.336	0.337	0.349	0.341		0.333	5.10
26)	S	2,4-Dichloropheno	0.299	0.332	0.353	0.383	0.385		0.350	10.30
27)	C	2,4-Dichloropheno	0.290	0.311	0.341	0.360	0.369		0.334	9.97
28)		Naphthalene	0.884	0.889	0.900	0.924	0.916		0.903	1.89
29)	S	4-Chloroaniline-d		0.300	0.408	0.413	0.370	0.276	0.353	17.77
30)		4-Chloroaniline		0.298	0.382	0.387	0.351	0.264	0.336	15.98
31)	C	Hexachlorobutadie	0.274	0.288	0.299	0.295	0.289		0.289	3.27
32)		Caprolactam		0.099	0.109	0.114	0.108	0.106	0.107	5.14
33)	C	4-Chloro-3-methyl	0.293	0.310	0.327	0.353	0.344		0.325	7.45
34)		2-Methylnaphthale	0.737	0.777	0.778	0.821	0.782		0.779	3.78
35)		1-Methylnaphthale	0.703	0.761	0.765	0.781	0.768		0.755	4.04
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.779	0.758	0.767	0.764	0.785		0.771	1.46
38)		Hexachlorocyclope		0.354	0.430	0.453	0.487	0.534	0.452	14.90
39)	C	2,4,6-Trichloroph	0.404	0.434	0.464	0.489	0.509		0.460	9.16
40)		2,4,5-Trichloroph	0.448	0.470	0.497	0.502	0.524		0.489	6.05
41)		1,1'-Biphenyl	1.461	1.395	1.500	1.448	1.464		1.454	2.62
42)		2-Chloronaphthale	1.172	1.116	1.200	1.184	1.190		1.172	2.82
43)		2-Nitroaniline	0.240	0.259	0.287	0.299	0.297		0.276	9.32
44)	S	Dimethylphthalate	1.824	1.806	1.843	1.814	1.763		1.810	1.64
45)		Dimethylphthalate	1.649	1.623	1.719	1.676	1.625		1.658	2.42
46)		2,6-Dinitrotoluen	0.310	0.308	0.335	0.350	0.361		0.333	7.05
47)	S	Acenaphthylene-d8	1.913	1.872	2.000	2.013	1.992		1.958	3.18
48)		Acenaphthylene	1.756	1.820	1.902	1.910	1.890		1.856	3.56
49)		3-Nitroaniline		0.239	0.297	0.305	0.278	0.264	0.277	9.59
50)	C	Acenaphthene	1.259	1.253	1.288	1.275	1.279		1.271	1.14
51)		2,4-Dinitrophenol		0.153	0.192	0.220	0.242	0.256	0.212	19.27

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.232	0.270	0.285	0.290	0.282	0.272	8.55
53)		4-Nitrophenol		0.208	0.227	0.229	0.226	0.216	0.221	4.08
54)		Dibenzofuran	1.919	1.920	1.970	1.955	1.896		1.932	1.55
55)		2,4-Dinitrotoluen	0.439	0.485	0.526	0.522	0.514		0.497	7.30
56)		2,3,4,6-Tetrachlo	0.468	0.494	0.528	0.550	0.562		0.520	7.49
57)		Diethylphthalate	1.966	1.753	1.737	1.672	1.577		1.741	8.25
58)	S	Fluorene-d10	1.673	1.640	1.736	1.658	1.630		1.667	2.52
59)		Fluorene	1.658	1.687	1.694	1.697	1.645		1.676	1.39
60)		4-Chlorophenyl-ph	1.003	1.008	1.004	1.002	0.989		1.001	0.72
61)		4-Nitroaniline		0.300	0.328	0.350	0.330	0.334	0.329	5.47
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.119	0.132	0.144	0.155	0.162	0.142	12.28
64)		4,6-Dinitro-2-met		0.117	0.124	0.141	0.145	0.155	0.136	11.31
65)		N-Nitrosodiphenyl	0.476	0.497	0.501	0.523	0.527		0.505	4.09
66)		4-Bromophenyl-phe	0.248	0.248	0.250	0.267	0.274		0.257	4.83
67)		Hexachlorobenzene	0.286	0.280	0.291	0.299	0.305		0.292	3.44
68)		Atrazine		0.235	0.241	0.250	0.243	0.235	0.241	2.49
69)	C	Pentachlorophenol		0.116	0.137	0.156	0.170	0.185	0.153	17.85
70)		Phenanthrene	0.984	1.003	0.995	1.005	0.985		0.994	0.98
71)	S	Anthracene-d10	0.951	0.952	0.951	0.970	0.964		0.958	0.90
72)		Anthracene	1.025	1.050	1.033	1.041	1.027		1.035	1.01
73)		1,2,3,4-Tetrachlo	0.267	0.263	0.276	0.283	0.305		0.279	5.94
74)		Pentachlorobenzen	0.400	0.401	0.411	0.420	0.440		0.415	3.99
75)		Carbazole		0.853	0.860	0.862	0.850	0.815	0.848	2.27
76)		Di-n-butylphthala	0.910	0.932	0.954	0.966	0.945		0.941	2.27
77)	C	Fluoranthene		1.331	1.328	1.309	1.247	1.138	1.271	6.42
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	0.878	0.905	0.906	0.904	0.849		0.888	2.81
80)		Pyrene	1.047	1.078	1.075	1.034	0.957		1.038	4.72
81)		Butylbenzylphthal	0.278	0.293	0.306	0.329	0.336		0.308	7.86
82)		3,3'-Dichlorobenz		0.342	0.380	0.394	0.363	0.351	0.366	5.75
83)		Benzo(a)anthracen	1.045	1.073	1.079	1.081	1.035		1.062	1.99
84)		Bis(2-ethylhexyl)	0.426	0.434	0.439	0.474	0.484		0.451	5.69
85)		Chrysene	0.972	0.995	0.980	0.977	0.935		0.972	2.29
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		0.718	0.759	0.823	0.826	0.816	0.788	6.09
88)		Benzo(b)fluoranth	1.061	1.089	1.118	1.166	1.135		1.113	3.65
89)		Benzo(k)fluoranth	1.045	1.066	1.112	1.132	1.072		1.085	3.27
90)	S	Benzo(a)pyrene-d1	0.844	0.890	0.925	0.982	0.959		0.920	5.97
91)	C	Benzo(a)pyrene	1.017	1.060	1.083	1.119	1.078		1.071	3.46
92)		Indeno(1,2,3-cd)p	1.218	1.254	1.308	1.367	1.354		1.300	4.89
93)		Dibenzo(a,h)anthr	1.035	1.085	1.120	1.181	1.155		1.115	5.17
94)		Benzo(g,h,i)peryl	1.021	1.050	1.080	1.131	1.108		1.078	4.07

(#) = Out of Range