Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM-EPA-BG032717MA.M
Title : SVOA CALIBRATION
Last Update : Tue Mar 28 11:32:15 2017
Response Via : Initial Calibration

Calibration Files
5 =BG026431.D 10 =BG026432.D 20 =BG026451.D
40 =BG026434.D 80 =BG026435.D 160 =BG026436.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.471	0.451	0.428	0.442	0.441		0.447	3.59
3)	S	1,4-Dioxane-d8	0.445	0.411	0.411	0.408	0.415		0.418	3.72
4)		Benzaldehyde		0.827	0.845	0.882	0.843	0.717	0.823	7.57
5)	S	Phenol-d5		1.432	1.480	1.504	1.516	1.430	1.472	2.71
6)		Phenol		1.535	1.557	1.559	1.572	1.468	1.538	2.70
7)	S	Bis-(2-Chloroethy		0.823	0.839	0.830	0.839	0.797	0.825	2.11
8)		Bis(2-Chloroethyl		1.180	1.206	1.175	1.179	1.129	1.174	2.40
9)	S	2-Chlorophenol-d4	1.274	1.320	1.325	1.336	1.349		1.321	2.16
10)		2-Chlorophenol	1.261	1.269	1.284	1.279	1.296		1.278	1.08
11)		2-Methylphenol		1.173	1.199	1.209	1.250	1.182	1.203	2.50
12)		2,2'-oxybis(1-Chl		1.118	1.137	1.099	1.117	1.063	1.107	2.50
13)	S	4-Methylphenol-d8		1.143	1.182	1.199	1.232	1.177	1.187	2.75
14)		Acetophenone		1.824	1.816	1.797	1.801	1.671	1.782	3.53
15)	P	N-Nitroso-di-n-pr	0.807	0.840	0.835	0.828	0.828		0.827	1.52
16)		4-Methylphenol		1.295	1.305	1.320	1.324	1.263	1.302	1.87
17)		Hexachloroethane	0.462	0.475	0.479	0.470	0.479		0.473	1.47
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.129	0.138	0.143	0.150	0.154		0.143	6.80
20)		Nitrobenzene	0.272	0.282	0.287	0.290	0.289		0.284	2.51
21)		Isophorone	0.521	0.529	0.543	0.561	0.550		0.541	2.97
22)	S	2-Nitrophenol-d4	0.145	0.159	0.171	0.178	0.186		0.168	9.64
23)	C	2-Nitrophenol	0.150	0.177	0.179	0.184	0.191		0.176	8.72
24)		2,4-Dimethylpheno	0.309	0.315	0.318	0.320	0.320		0.316	1.54
25)		Bis(2-Chloroethox	0.361	0.375	0.381	0.376	0.375		0.374	1.92
26)	S	2,4-Dichloropheno	0.292	0.300	0.308	0.317	0.320		0.307	3.84
27)	C	2,4-Dichloropheno	0.298	0.299	0.305	0.307	0.308		0.304	1.55
28)		Naphthalene	0.981	0.979	0.966	0.958	0.915		0.960	2.80
29)	S	4-Chloroaniline-d		0.240	0.304	0.365	0.341	0.280	0.306	16.10
30)		4-Chloroaniline		0.247	0.293	0.344	0.316	0.260	0.292	13.57
31)	C	Hexachlorobutadie	0.187	0.197	0.193	0.195	0.195		0.193	2.03
32)		Caprolactam		0.098	0.103	0.112	0.114	0.110	0.107	6.37
33)	C	4-Chloro-3-methyl	0.284	0.288	0.295	0.301	0.302		0.294	2.70
34)		2-Methylnaphthale	0.755	0.760	0.751	0.737	0.709		0.742	2.78
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.634	0.626	0.632	0.628	0.628		0.630	0.56
37)		Hexachlorocyclope		0.255	0.290	0.323	0.351	0.353	0.315	13.33
38)	C	2,4,6-Trichloroph	0.393	0.410	0.418	0.432	0.437		0.418	4.21
39)		2,4,5-Trichloroph	0.412	0.418	0.428	0.443	0.450		0.430	3.83
40)		1,1'-Biphenyl	1.705	1.627	1.618	1.582	1.491		1.604	4.84
41)		2-Chloronaphthale	1.259	1.214	1.215	1.206	1.161		1.211	2.87
42)		2-Nitroaniline	0.251	0.260	0.283	0.302	0.312		0.282	9.25
43)	S	Dimethylphthalate	1.565	1.552	1.556	1.572	1.499		1.549	1.87
44)		Dimethylphthalate	1.570	1.519	1.499	1.492	1.424		1.501	3.51
45)		2,6-Dinitrotoluen	0.277	0.298	0.334	0.350	0.359		0.324	10.80
46)	S	Acenaphthylene-d8	1.988	1.932	1.966	1.936	1.827		1.930	3.20
47)		Acenaphthylene	1.986	1.958	1.962	1.920	1.781		1.921	4.27
48)		3-Nitroaniline		0.264	0.290	0.335	0.326	0.277	0.298	10.32
49)	C	Acenaphthene	1.394	1.345	1.333	1.318	1.277		1.333	3.18
50)		2,4-Dinitrophenol		0.099	0.149	0.198	0.229	0.237	0.182	31.71
51)	S	4-Nitrophenol-d4		0.269	0.282	0.316	0.327	0.312	0.301	8.08

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.133	0.154	0.170	0.175	0.167	0.160	10.38
53)		Dibenzofuran	1.985	1.964	1.905	1.882	1.743		1.896	5.02
54)		2,4-Dinitrotoluen	0.420	0.434	0.481	0.499	0.507		0.468	8.34
55)		2,3,4,6-Tetrachlo	0.403	0.388	0.418	0.427	0.432		0.414	4.37
56)		Diethylphthalate	1.527	1.487	1.498	1.511	1.437		1.492	2.30
57)	S	Fluorene-d10	1.501	1.412	1.395	1.394	1.332		1.407	4.32
58)		Fluorene	1.680	1.613	1.582	1.551	1.455		1.576	5.25
59)		4-Chlorophenyl-ph	0.811	0.788	0.763	0.765	0.745		0.774	3.30
60)		4-Nitroaniline		0.342	0.363	0.396	0.394	0.365	0.372	6.14
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.108	0.125	0.134	0.140	0.137	0.129	10.15
63)		4,6-Dinitro-2-met		0.120	0.128	0.140	0.145	0.142	0.135	8.03
64)		N-Nitrosodiphenyl	0.573	0.576	0.589	0.573	0.550		0.572	2.45
65)		4-Bromophenyl-phe	0.219	0.218	0.220	0.220	0.222		0.220	0.55
66)		Hexachlorobenzene	0.243	0.232	0.234	0.235	0.234		0.236	1.85
67)		Atrazine		0.216	0.230	0.227	0.227	0.208	0.222	4.24
68)	C	Pentachlorophenol		0.120	0.137	0.147	0.151	0.148	0.140	9.08
69)		Phenanthrene	1.115	1.088	1.086	1.023	0.929		1.048	7.13
70)	S	Anthracene-d10	0.951	0.919	0.933	0.901	0.837		0.908	4.83
71)		Anthracene	1.144	1.116	1.114	1.057	0.931		1.072	7.96
72)		1,2,3,4-Tetrachlo	0.267	0.258	0.269	0.260	0.264		0.263	1.81
73)		Pentachlorobenzen	0.304	0.303	0.301	0.296	0.295		0.300	1.42
74)		Carbazole		1.013	1.020	0.975	0.889	0.713	0.922	13.89
75)		Di-n-butylphthala	1.106	1.105	1.138	1.114	0.971		1.087	6.06
76)	C	Fluoranthene		1.304	1.281	1.214	1.032	0.768	1.120	20.00
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.930	0.907	0.914	0.889	0.820		0.892	4.81
79)		Pyrene	1.219	1.158	1.161	1.083	0.947		1.114	9.42
80)		Butylbenzylphthal	0.425	0.432	0.448	0.458	0.439		0.441	2.93
81)		3,3'-Dichlorobenz		0.334	0.346	0.384	0.371	0.300	0.347	9.49
82)		Benzo(a)anthracen	1.138	1.112	1.114	1.070	0.976		1.082	5.94
83)		Bis(2-ethylhexyl)	0.619	0.626	0.644	0.646	0.613		0.630	2.39
84)		Chrysene	1.070	1.034	1.015	0.985	0.896		1.000	6.60
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.082	1.087	1.122	1.032	0.822	1.029	11.68
87)		Benzo(b)fluoranth	1.159	1.111	1.142	1.172	1.089		1.135	3.03
88)		Benzo(k)fluoranth	1.100	1.126	1.094	1.097	1.001		1.084	4.40
89)	S	Benzo(a)pyrene-d1	0.849	0.846	0.853	0.889	0.860		0.859	2.01
90)	C	Benzo(a)pyrene	1.108	1.088	1.107	1.133	1.050		1.097	2.79
91)		Indeno(1,2,3-cd)p	1.314	1.298	1.307	1.366	1.332		1.323	2.05
92)		Dibenzo(a,h)anthr	1.084	1.098	1.103	1.142	1.096		1.105	1.97
93)		Benzo(g,h,i)peryl	1.087	1.094	1.084	1.134	1.105		1.101	1.86

(#) = Out of Range