Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM-EPA-BG042717.M
Title : SVOA CALIBRATION
Last Update : Fri Apr 28 08:38:50 2017
Response Via : Initial Calibration

Calibration Files
5 =BG026712.D 10 =BG026713.D 20 =BG026735.D
40 =BG026715.D 80 =BG026716.D 160 =BG026717.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.606	0.522	0.475	0.474	0.457		0.507	11.97
3)	S	1,4-Dioxane-d8	0.488	0.431	0.441	0.431	0.428		0.444	5.67
4)		Benzaldehyde		1.032	0.710	1.051	0.925	0.594	0.863	23.44
5)	S	Phenol-d5		1.686	1.779	1.874	1.861	1.724	1.785	4.61
6)		Phenol		1.784	1.823	1.875	1.878	1.685	1.809	4.41
7)	S	Bis-(2-Chloroethy		1.067	1.054	1.078	1.061	0.988	1.050	3.38
8)		Bis(2-Chloroethyl		1.415	1.439	1.442	1.405	1.282	1.397	4.72
9)	S	2-Chlorophenol-d4	1.490	1.460	1.488	1.570	1.568		1.515	3.32
10)		2-Chlorophenol	1.470	1.462	1.503	1.514	1.507		1.491	1.58
11)		2-Methylphenol		1.347	1.419	1.510	1.490	1.394	1.432	4.71
12)		2,2'-oxybis(1-Chl		1.479	1.471	1.511	1.477	1.349	1.458	4.30
13)	S	4-Methylphenol-d8		1.392	1.463	1.555	1.550	1.447	1.481	4.71
14)		Acetophenone		2.264	2.243	2.268	2.176	1.929	2.176	6.57
15)	P	N-Nitroso-di-n-pr	1.119	1.046	1.058	1.088	1.056		1.073	2.81
16)		4-Methylphenol		1.535	1.563	1.635	1.622	1.475	1.566	4.19
17)		Hexachloroethane	0.597	0.562	0.534	0.559	0.552		0.561	4.12
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.162	0.165	0.164	0.173	0.172		0.167	2.78
20)		Nitrobenzene	0.325	0.325	0.325	0.319	0.318		0.323	1.11
21)		Isophorone	0.623	0.617	0.626	0.625	0.606		0.619	1.34
22)	S	2-Nitrophenol-d4	0.170	0.175	0.184	0.188	0.192		0.182	5.12
23)	C	2-Nitrophenol	0.181	0.189	0.190	0.198	0.198		0.191	3.65
24)		2,4-Dimethylpheno	0.349	0.352	0.344	0.352	0.345		0.349	1.08
25)		Bis(2-Chloroethox	0.437	0.424	0.427	0.418	0.409		0.423	2.50
26)	S	2,4-Dichloropheno	0.280	0.281	0.292	0.295	0.297		0.289	2.72
27)	C	2,4-Dichloropheno	0.280	0.289	0.291	0.290	0.291		0.288	1.61
28)		Naphthalene	1.124	1.080	1.050	1.004	0.948		1.041	6.55
29)	S	4-Chloroaniline-d		0.389	0.427	0.433	0.391	0.293	0.387	14.48
30)		4-Chloroaniline		0.373	0.396	0.405	0.370	0.279	0.365	13.72
31)	C	Hexachlorobutadie	0.155	0.145	0.145	0.141	0.143		0.146	3.74
32)		Caprolactam		0.097	0.105	0.112	0.114	0.110	0.108	6.11
33)	C	4-Chloro-3-methyl	0.305	0.292	0.320	0.323	0.323		0.312	4.36
34)		2-Methylnaphthale	0.845	0.790	0.774	0.751	0.703		0.773	6.73
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.560	0.525	0.520	0.517	0.516		0.527	3.48
37)		Hexachlorocyclope		0.176	0.211	0.244	0.267	0.263	0.232	16.56
38)	C	2,4,6-Trichloroph	0.326	0.347	0.366	0.382	0.393		0.363	7.48
39)		2,4,5-Trichloroph	0.351	0.354	0.380	0.389	0.400		0.375	5.76
40)		1,1'-Biphenyl	1.858	1.733	1.681	1.621	1.514		1.681	7.62
41)		2-Chloronaphthale	1.370	1.272	1.255	1.231	1.191		1.264	5.26
42)		2-Nitroaniline	0.335	0.344	0.362	0.378	0.388		0.361	6.14
43)	S	Dimethylphthalate	1.747	1.622	1.626	1.565	1.490		1.610	5.87
44)		Dimethylphthalate	1.748	1.607	1.572	1.524	1.429		1.576	7.45
45)		2,6-Dinitrotoluen	0.320	0.308	0.335	0.347	0.353		0.333	5.59
46)	S	Acenaphthylene-d8	2.185	2.048	2.041	1.972	1.864		2.022	5.80
47)		Acenaphthylene	2.288	2.133	2.065	1.991	1.822		2.060	8.36
48)		3-Nitroaniline		0.325	0.343	0.393	0.368	0.321	0.350	8.65
49)	C	Acenaphthene	1.582	1.447	1.427	1.391	1.317		1.433	6.79
50)		2,4-Dinitrophenol		0.153	0.188	0.140	0.179	0.191	0.170	13.15
51)	S	4-Nitrophenol-d4		0.233	0.280	0.308	0.325	0.306	0.290	12.41

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52)		4-Nitrophenol		0.138	0.168	0.178	0.189	0.177	0.170	11.48
53)		Dibenzofuran	2.126	1.981	1.913	1.828	1.688		1.907	8.62
54)		2,4-Dinitrotoluen	0.462	0.460	0.484	0.491	0.483		0.476	2.93
55)		2,3,4,6-Tetrachlo	0.269	0.275	0.301	0.312	0.316		0.295	7.20
56)		Diethylphthalate	1.821	1.703	1.656	1.588	1.478		1.649	7.76
57)	S	Fluorene-d10	1.557	1.418	1.400	1.361	1.289		1.405	7.01
58)		Fluorene	1.738	1.591	1.558	1.496	1.399		1.557	8.04
59)		4-Chlorophenyl-ph	0.748	0.681	0.670	0.658	0.637		0.679	6.19
60)		4-Nitroaniline		0.375	0.358	0.406	0.405	0.385	0.386	5.32
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.099	0.115	0.125	0.136	0.133	0.121	12.07
63)		4,6-Dinitro-2-met		0.106	0.121	0.132	0.139	0.136	0.126	10.64
64)		N-Nitrosodiphenyl	0.690	0.664	0.660	0.646	0.627		0.657	3.54
65)		4-Bromophenyl-phe	0.202	0.200	0.201	0.198	0.198		0.200	0.95
66)		Hexachlorobenzene	0.224	0.223	0.210	0.209	0.209		0.215	3.58
67)		Atrazine		0.211	0.210	0.211	0.210	0.186	0.205	5.37
68)	C	Pentachlorophenol		0.064	0.084	0.105	0.119	0.119	0.098	24.53#
69)		Phenanthrene	1.256	1.180	1.138	1.071	0.988		1.127	9.10
70)	S	Anthracene-d10	1.052	0.998	0.969	0.944	0.890		0.971	6.25
71)		Anthracene	1.281	1.208	1.173	1.111	1.005		1.156	9.03
72)		Carbazole		1.082	1.067	1.028	0.952	0.758	0.977	13.56
73)		Di-n-butylphthala	1.346	1.322	1.322	1.248	1.120		1.272	7.27
74)	C	Fluoranthene		1.215	1.161	1.089	0.991	0.774	1.046	16.61
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.161	1.090	1.061	1.018	0.949		1.056	7.50
77)		Pyrene	1.535	1.435	1.352	1.269	1.118		1.342	11.90
78)		Butylbenzylphthal	0.606	0.613	0.629	0.638	0.631		0.623	2.12
79)		3,3'-Dichlorobenz		0.370	0.395	0.422	0.395	0.341	0.385	7.87
80)		Benzo(a)anthracen	1.267	1.201	1.168	1.139	1.073		1.170	6.15
81)		Bis(2-ethylhexyl)	0.874	0.878	0.911	0.911	0.873		0.889	2.24
82)		Chrysene	1.212	1.103	1.083	1.047	0.989		1.087	7.56
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.464	1.482	1.493	1.378	1.055	1.374	13.41
85)		Benzo(b)fluoranth	1.221	1.144	1.109	1.145	1.095		1.143	4.28
86)		Benzo(k)fluoranth	1.194	1.143	1.131	1.088	1.058		1.123	4.65
87)	S	Benzo(a)pyrene-d1	0.975	0.936	0.935	0.949	0.934		0.946	1.86
88)	C	Benzo(a)pyrene	1.199	1.125	1.119	1.104	1.077		1.125	4.03
89)		Indeno(1,2,3-cd)p	1.377	1.301	1.311	1.333	1.344		1.333	2.24
90)		Dibenzo(a,h)anthr	1.176	1.114	1.112	1.130	1.120		1.130	2.34
91)		Benzo(g,h,i)peryl	1.145	1.092	1.082	1.102	1.108		1.106	2.17

(#) = Out of Range