Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG111416.M
Title : SVOA CALIBRATION
Last Update : Tue Nov 15 01:28:14 2016
Response Via : Initial Calibration

Calibration Files
5 =BG024762.D 10 =BG024763.D 20 =BG024778.D
40 =BG024765.D 80 =BG024766.D 160 =BG024767.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.513	0.554	0.444	0.442	0.466		0.484	10.03
3)	S	1,4-Dioxane-d8	0.347	0.446	0.367	0.392	0.378		0.386	9.72
4)		Benzaldehyde		1.200	1.317	1.312	1.115	0.575	1.104	27.86
5)	S	Phenol-d5		1.621	1.705	1.717	1.730	1.794	1.713	3.61
6)		Phenol		1.714	1.767	1.853	1.784	1.830	1.790	3.06
7)	S	Bis-(2-Chloroethy		1.082	1.073	1.052	1.093	1.089	1.078	1.52
8)		Bis(2-Chloroethyl		1.281	1.264	1.274	1.260	1.289	1.274	0.95
9)	S	2-Chlorophenol-d4	1.206	1.216	1.264	1.214	1.243		1.229	1.97
10)		2-Chlorophenol	1.116	1.170	1.242	1.207	1.208		1.188	4.03
11)		2-Methylphenol		1.201	1.302	1.319	1.344	1.391	1.311	5.36
12)		2,2'-oxybis(1-Chl		2.187	2.178	2.224	2.135	2.091	2.163	2.36
13)	S	4-Methylphenol-d8		1.386	1.396	1.447	1.456	1.509	1.439	3.48
14)		Acetophenone		2.128	2.207	2.180	2.140	2.179	2.167	1.49
15)	P	N-Nitroso-di-n-pr	1.116	1.284	1.248	1.256	1.251		1.231	5.35
16)		4-Methylphenol		1.346	1.401	1.412	1.438	1.495	1.418	3.84
17)		Hexachloroethane	0.467	0.590	0.552	0.562	0.549		0.544	8.48
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.156	0.152	0.141	0.154	0.155		0.151	4.12
20)		Nitrobenzene	0.427	0.438	0.449	0.472	0.462		0.450	4.01
21)		Isophorone	0.828	0.832	0.838	0.862	0.833		0.839	1.59
22)	S	2-Nitrophenol-d4	0.168	0.180	0.179	0.187	0.190		0.181	4.74
23)	C	2-Nitrophenol	0.167	0.182	0.185	0.190	0.189		0.183	5.01
24)		2,4-Dimethylpheno	0.427	0.429	0.420	0.449	0.444		0.434	2.90
25)		Bis(2-Chloroethox	0.423	0.468	0.431	0.452	0.427		0.440	4.36
26)	S	2,4-Dichloropheno	0.362	0.354	0.351	0.361	0.371		0.360	2.11
27)	C	2,4-Dichloropheno	0.313	0.355	0.342	0.360	0.355		0.345	5.54
28)		Naphthalene	0.953	0.992	0.940	0.980	0.931		0.959	2.72
29)	S	4-Chloroaniline-d		0.440	0.434	0.424	0.395	0.318	0.402	12.49
30)		4-Chloroaniline		0.419	0.419	0.412	0.384	0.305	0.388	12.54
31)	C	Hexachlorobutadie	0.299	0.312	0.307	0.299	0.297		0.303	2.18
32)		Caprolactam		0.134	0.135	0.139	0.135	0.136	0.136	1.25
33)	C	4-Chloro-3-methyl	0.390	0.424	0.423	0.428	0.423		0.418	3.74
34)		2-Methylnaphthale	0.781	0.753	0.742	0.764	0.734		0.755	2.42
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.648	0.668	0.645	0.644	0.639		0.649	1.69
37)		Hexachlorocyclope		0.369	0.417	0.422	0.438	0.446	0.418	7.16
38)	C	2,4,6-Trichloroph	0.361	0.395	0.404	0.414	0.400		0.395	5.08
39)		2,4,5-Trichloroph	0.422	0.413	0.435	0.433	0.442		0.429	2.72
40)		1,1'-Biphenyl	1.307	1.362	1.278	1.268	1.220		1.287	4.06
41)		2-Chloronaphthale	1.046	1.009	1.000	0.979	0.966		1.000	3.04
42)		2-Nitroaniline	0.351	0.390	0.420	0.413	0.409		0.397	7.00
43)	S	Dimethylphthalate	1.411	1.488	1.535	1.472	1.385		1.458	4.15
44)		Dimethylphthalate	1.362	1.424	1.458	1.431	1.320		1.399	4.05
45)		2,6-Dinitrotoluen	0.275	0.279	0.301	0.309	0.306		0.294	5.35
46)	S	Acenaphthylene-d8	1.604	1.607	1.622	1.597	1.515		1.589	2.68
47)		Acenaphthylene	1.535	1.588	1.579	1.543	1.446		1.538	3.64
48)		3-Nitroaniline		0.272	0.304	0.289	0.252	0.242	0.272	9.47
49)	C	Acenaphthene	1.079	1.148	1.093	1.075	1.050		1.089	3.34
50)		2,4-Dinitrophenol		0.159	0.202	0.223	0.231	0.237	0.210	14.98
51)	S	4-Nitrophenol-d4		0.256	0.267	0.268	0.262	0.246	0.260	3.45

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.289	0.332	0.327	0.314	0.292	0.311	6.32
53)		Dibenzofuran	1.657	1.737	1.719	1.689	1.528		1.666	4.97
54)		2,4-Dinitrotoluen	0.406	0.433	0.477	0.460	0.448		0.445	6.05
55)		2,3,4,6-Tetrachlo	0.394	0.448	0.463	0.463	0.464		0.446	6.70
56)		Diethylphthalate	1.515	1.523	1.517	1.513	1.363		1.486	4.64
57)	S	Fluorene-d10	1.384	1.426	1.385	1.374	1.292		1.373	3.57
58)		Fluorene	1.362	1.395	1.399	1.333	1.273		1.353	3.82
59)		4-Chlorophenyl-ph	0.792	0.751	0.777	0.764	0.740		0.765	2.68
60)		4-Nitroaniline		0.300	0.327	0.326	0.292	0.301	0.309	5.21
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.117	0.135	0.138	0.146	0.151	0.137	9.56
63)		4,6-Dinitro-2-met		0.121	0.134	0.141	0.150	0.151	0.139	9.05
64)		N-Nitrosodiphenyl	0.548	0.547	0.541	0.535	0.530		0.540	1.45
65)		4-Bromophenyl-phe	0.242	0.237	0.242	0.242	0.253		0.243	2.35
66)		Hexachlorobenzene	0.255	0.273	0.274	0.264	0.279		0.269	3.46
67)		Atrazine		0.272	0.255	0.253	0.251	0.236	0.253	5.05
68)	C	Pentachlorophenol		0.119	0.158	0.165	0.173	0.179	0.159	14.90
69)		Phenanthrene	1.037	1.007	1.021	1.003	0.917		0.997	4.71
70)	S	Anthracene-d10	0.898	0.910	0.890	0.892	0.827		0.883	3.66
71)		Anthracene	1.078	1.096	1.041	1.021	0.921		1.031	6.63
72)		Carbazole		0.940	0.900	0.887	0.817	0.685	0.846	11.87
73)		Di-n-butylphthala	1.129	1.120	1.107	1.052	0.922		1.066	8.04
74)	C	Fluoranthene		1.367	1.310	1.248	1.064	0.801	1.158	19.85
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.924	0.937	0.894	0.832	0.749		0.867	8.94
77)		Pyrene	1.072	1.057	1.021	0.950	0.814		0.983	10.74
78)		Butylbenzylphthal	0.424	0.421	0.403	0.392	0.373		0.402	5.24
79)		3,3'-Dichlorobenz		0.421	0.416	0.409	0.364	0.312	0.385	12.08
80)		Benzo(a)anthracen	1.163	1.170	1.109	1.061	0.938		1.088	8.71
81)		Bis(2-ethylhexyl)	0.572	0.563	0.559	0.544	0.515		0.550	4.04
82)		Chrysene	1.080	1.093	1.037	1.002	0.890		1.020	7.97
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.936	0.922	0.887	0.824	0.664	0.847	13.13
85)		Benzo(b)fluoranth	1.035	1.099	1.059	1.053	1.021		1.054	2.83
86)		Benzo(k)fluoranth	1.028	1.064	1.010	0.989	0.914		1.001	5.59
87)	S	Benzo(a)pyrene-d1	0.865	0.893	0.884	0.871	0.865		0.876	1.44
88)	C	Benzo(a)pyrene	1.015	1.068	1.035	1.009	0.972		1.020	3.47
89)		Indeno(1,2,3-cd)p	1.254	1.294	1.278	1.274	1.275		1.275	1.13
90)		Dibenzo(a,h)anthr	1.045	1.084	1.074	1.064	1.045		1.062	1.64
91)		Benzo(g,h,i)peryl	1.030	1.060	1.056	1.058	1.047		1.050	1.17

(#) = Out of Range