Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA M\METHODS\
Method File : SOM02.2-EPA-BM032115.M
Title : SVOA CALIBRATION
Last Update : Mon Mar 23 13:57:52 2015
Response Via : Initial Calibration

Calibration Files
5 =BM000745.D 10 =BM000746.D 20 =BM000747.D
40 =BM000748.D 80 =BM000749.D 160 =BM000750.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.499	0.465	0.493	0.475	0.466		0.480	3.32
3)	S	1,4-Dioxane-d8	0.478	0.449	0.443	0.410	0.401		0.436	7.12
4)		Benzaldehyde		0.828	0.905	0.887	0.739	0.359	0.744	30.20
5)	S	Phenol-d5		1.430	1.517	1.554	1.576	1.633	1.542	4.91
6)		Phenol		1.601	1.675	1.700	1.724	1.748	1.690	3.35
7)	S	Bis-(2-Chloroethy		0.929	0.954	0.964	0.956	0.949	0.951	1.41
8)		Bis(2-Chloroethyl		1.306	1.356	1.330	1.327	1.328	1.329	1.32
9)	S	2-Chlorophenol-d4	1.233	1.175	1.247	1.256	1.279		1.238	3.16
10)		2-Chlorophenol	1.316	1.308	1.361	1.347	1.371		1.341	2.06
11)		2-Methylphenol		1.128	1.245	1.267	1.291	1.343	1.255	6.33
12)		2,2'-oxybis(1-Chl		2.344	2.345	2.333	2.327	2.292	2.328	0.93
13)	S	4-Methylphenol-d8		1.110	1.184	1.219	1.252	1.295	1.212	5.81
14)		Acetophenone		1.889	1.958	1.964	2.007	2.029	1.970	2.73
15)	P	N-Nitroso-di-n-pr	0.830	0.865	0.948	0.993	1.012		0.929	8.53
16)		4-Methylphenol		1.264	1.347	1.386	1.394	1.453	1.369	5.08
17)		Hexachloroethane	0.507	0.503	0.522	0.537	0.538		0.521	3.16
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.112	0.116	0.129	0.140	0.145		0.128	11.02
20)		Nitrobenzene	0.332	0.334	0.356	0.366	0.366		0.351	4.82
21)		Isophorone	0.507	0.535	0.599	0.636	0.655		0.586	10.88
22)	S	2-Nitrophenol-d4	0.116	0.120	0.141	0.152	0.160		0.138	13.92
23)	C	2-Nitrophenol	0.131	0.149	0.163	0.175	0.181		0.160	12.57
24)		2,4-Dimethylpheno	0.334	0.332	0.349	0.355	0.354		0.345	3.20
25)		Bis(2-Chloroethox	0.402	0.391	0.411	0.415	0.416		0.407	2.55
26)	S	2,4-Dichloropheno	0.251	0.254	0.280	0.288	0.296		0.274	7.42
27)	C	2,4-Dichloropheno	0.266	0.269	0.289	0.293	0.300		0.284	5.29
28)		Naphthalene	1.130	1.059	1.061	1.053	1.040		1.068	3.30
29)	S	4-Chloroaniline-d		0.329	0.376	0.366	0.333	0.247	0.330	15.37
30)		4-Chloroaniline		0.349	0.397	0.388	0.352	0.264	0.350	14.96
31)	C	Hexachlorobutadie	0.189	0.178	0.176	0.177	0.174		0.179	3.33
32)		Caprolactam		0.059	0.071	0.086	0.092	0.099	0.081	19.88
33)	C	4-Chloro-3-methyl	0.259	0.277	0.302	0.310	0.318		0.293	8.40
34)		2-Methylnaphthale	0.747	0.710	0.733	0.729	0.723		0.728	1.82
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.657	0.605	0.633	0.618	0.599		0.622	3.73
37)		Hexachlorocyclope		0.288	0.331	0.350	0.362	0.360	0.338	9.02
38)	C	2,4,6-Trichloroph	0.273	0.298	0.353	0.378	0.382		0.337	14.58
39)		2,4,5-Trichloroph	0.317	0.350	0.399	0.410	0.418		0.379	11.50
40)		1,1'-Biphenyl	1.789	1.682	1.721	1.693	1.627		1.702	3.47
41)		2-Chloronaphthale	1.370	1.290	1.319	1.288	1.251		1.304	3.39
42)		2-Nitroaniline	0.220	0.252	0.325	0.366	0.384		0.309	23.00
43)	S	Dimethylphthalate	1.206	1.246	1.336	1.343	1.317		1.290	4.68
44)		Dimethylphthalate	1.473	1.444	1.537	1.535	1.482		1.494	2.71
45)		2,6-Dinitrotoluen	0.206	0.234	0.282	0.317	0.321		0.272	18.67
46)	S	Acenaphthylene-d8	1.806	1.801	1.938	1.950	1.892		1.877	3.78
47)		Acenaphthylene	2.071	2.048	2.196	2.148	2.073		2.107	2.96
48)		3-Nitroaniline		0.223	0.315	0.327	0.305	0.279	0.290	14.24
49)	C	Acenaphthene	1.456	1.366	1.402	1.390	1.338		1.391	3.18
50)		2,4-Dinitrophenol		0.073	0.120	0.155	0.184	0.209	0.148	36.12
51)	S	4-Nitrophenol-d4		0.189	0.250	0.273	0.282	0.300	0.259	16.54

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.157	0.194	0.210	0.208	0.216	0.197	12.11
53)		Dibenzofuran	2.030	1.918	1.982	1.944	1.855		1.946	3.40
54)		2,4-Dinitrotoluen	0.304	0.366	0.432	0.458	0.458		0.404	16.71
55)		2,3,4,6-Tetrachlo	0.227	0.268	0.316	0.339	0.343		0.298	16.70
56)		Diethylphthalate	1.356	1.403	1.526	1.539	1.510		1.467	5.59
57)	S	Fluorene-d10	1.385	1.289	1.334	1.314	1.264		1.317	3.49
58)		Fluorene	1.653	1.574	1.635	1.603	1.528		1.599	3.12
59)		4-Chlorophenyl-ph	0.791	0.743	0.768	0.746	0.711		0.752	4.00
60)		4-Nitroaniline		0.239	0.326	0.355	0.351	0.357	0.326	15.33
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.082	0.099	0.113	0.121	0.127	0.108	16.72
63)		4,6-Dinitro-2-met		0.097	0.115	0.125	0.133	0.136	0.121	13.04
64)		N-Nitrosodiphenyl	0.613	0.602	0.624	0.631	0.617		0.617	1.78
65)		4-Bromophenyl-phe	0.197	0.184	0.192	0.198	0.198		0.194	3.02
66)		Hexachlorobenzene	0.226	0.214	0.214	0.216	0.214		0.217	2.35
67)		Atrazine		0.174	0.197	0.206	0.204	0.193	0.195	6.61
68)	C	Pentachlorophenol		0.074	0.098	0.118	0.130	0.138	0.111	23.26#
69)		Phenanthrene	1.211	1.147	1.148	1.150	1.116		1.154	3.02
70)	S	Anthracene-d10	0.899	0.883	0.912	0.925	0.905		0.905	1.73
71)		Anthracene	1.185	1.164	1.173	1.174	1.151		1.169	1.08
72)		Carbazole		1.014	1.053	1.067	1.044	1.007	1.037	2.46
73)		Di-n-butylphthala	0.854	0.974	1.112	1.205	1.226		1.074	14.73
74)	C	Fluoranthene		1.228	1.269	1.275	1.248	1.159	1.236	3.76
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.900	0.879	0.917	0.908	0.908		0.902	1.57
77)		Pyrene	1.313	1.253	1.288	1.271	1.240		1.273	2.24
78)		Butylbenzylphthal	0.293	0.339	0.433	0.484	0.528		0.415	23.63
79)		3,3'-Dichlorobenz		0.256	0.329	0.342	0.330	0.317	0.315	10.81
80)		Benzo(a)anthracen	1.184	1.142	1.205	1.172	1.152		1.171	2.17
81)		Bis(2-ethylhexyl)	0.456	0.536	0.671	0.726	0.760		0.630	20.55
82)		Chrysene	1.218	1.108	1.161	1.123	1.080		1.138	4.69
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.013	1.203	1.370	1.401	1.317	1.261	12.52
85)		Benzo(b)fluoranth	1.246	1.204	1.215	1.243	1.218		1.225	1.49
86)		Benzo(k)fluoranth	1.138	1.135	1.179	1.219	1.145		1.163	3.07
87)	S	Benzo(a)pyrene-d1	0.833	0.846	0.868	0.906	0.884		0.867	3.38
88)	C	Benzo(a)pyrene	1.165	1.150	1.171	1.207	1.159		1.171	1.85
89)		Indeno(1,2,3-cd)p	1.284	1.259	1.298	1.339	1.289		1.294	2.23
90)		Dibenzo(a,h)anthr	1.078	1.061	1.090	1.122	1.072		1.085	2.14
91)		Benzo(g,h,i)peryl	1.116	1.083	1.089	1.137	1.094		1.104	2.03

(#) = Out of Range