Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM071015.M
Title : SVOA CALIBRATION
Last Update : Sat Jul 11 01:32:19 2015
Response Via : Initial Calibration

Calibration Files
5 =BM001891.D 10 =BM001892.D 20 =BM001893.D
40 =BM001894.D 80 =BM001895.D 160 =BM001896.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.443	0.432	0.829	0.805	0.746		0.651	30.31
3)	S	1,4-Dioxane-d8	0.379	0.367	0.765	0.781	0.731		0.605	35.11
4)		Benzaldehyde		0.983	2.121	1.849	1.222	0.589	1.353	46.36
5)	S	Phenol-d5		1.545	3.473	3.578	3.525	1.701	2.764	37.77
6)		Phenol		1.619	3.596	3.709	3.630	1.747	2.860	37.64
7)	S	Bis-(2-Chloroethy		0.860	1.842	1.854	1.777	0.866	1.440	36.63
8)		Bis(2-Chloroethyl		1.214	2.577	2.622	2.518	1.227	2.032	36.48
9)	S	2-Chlorophenol-d4	1.296	1.241	2.730	2.844	2.811		2.184	38.34
10)		2-Chlorophenol	1.280	1.269	2.817	2.898	2.839		2.221	38.91
11)		2-Methylphenol		1.221	2.728	2.845	2.760	1.323	2.175	37.99
12)		2,2'-oxybis(1-Chl		1.410	2.958	3.012	2.870	1.387	2.328	36.49
13)	S	4-Methylphenol-d8		1.280	2.907	2.984	2.900	1.370	2.288	38.48
14)		Acetophenone		2.110	4.560	4.619	4.468	2.136	3.579	37.17
15)	P	N-Nitroso-di-n-pr	1.089	1.064	2.312	2.363	2.261		1.818	37.27
16)		4-Methylphenol		1.372	3.006	3.123	3.021	1.438	2.392	37.72
17)		Hexachloroethane	0.523	0.518	1.056	1.102	1.051		0.850	35.47
18)	I	Naphthalene-d8	----------ISTD----------							
19)	S	Nitrobenzene-d5	0.148	0.144	0.313	0.318	0.301		0.245	36.85
20)		Nitrobenzene	0.363	0.365	0.762	0.766	0.716		0.595	35.50
21)		Isophorone	0.699	0.674	1.418	1.429	1.321		1.108	34.96
22)	S	2-Nitrophenol-d4	0.160	0.158	0.359	0.369	0.353		0.280	39.49
23)	C	2-Nitrophenol	0.171	0.177	0.384	0.391	0.371		0.299	38.22#
24)		2,4-Dimethylpheno	0.382	0.372	0.803	0.817	0.764		0.628	36.62
25)		Bis(2-Chloroethox	0.411	0.397	0.817	0.825	0.769		0.644	34.18
26)	S	2,4-Dichloropheno	0.334	0.334	0.715	0.737	0.696		0.563	37.24
27)	C	2,4-Dichloropheno	0.321	0.321	0.681	0.698	0.668		0.538	36.88#
28)		Naphthalene	1.029	0.984	2.037	2.059	1.928		1.607	34.28
29)	S	4-Chloroaniline-d		0.411	0.811	0.727	0.481	0.240	0.534	43.80
30)		4-Chloroaniline		0.419	0.824	0.741	0.491	0.246	0.544	43.51
31)	C	Hexachlorobutadie	0.247	0.229	0.475	0.483	0.452		0.377	33.78#
32)		Caprolactam		0.155	0.332	0.332	0.305	0.151	0.255	36.87
33)	C	4-Chloro-3-methyl	0.351	0.352	0.748	0.759	0.708		0.584	36.41#
34)		2-Methylnaphthale	0.779	0.731	1.541	1.550	1.462		1.213	34.59
35)	I	Acenaphthene-d10	----------ISTD----------							
36)		1,2,4,5-Tetrachlo	0.736	0.694	1.466	1.481	1.370		1.149	34.74
37)		Hexachlorocyclope		0.351	0.835	0.896	0.849	0.429	0.672	38.68
38)	C	2,4,6-Trichloroph	0.435	0.443	0.946	0.967	0.892		0.737	37.05#
39)		2,4,5-Trichloroph	0.463	0.481	1.025	1.048	0.965		0.796	37.38
40)		1,1'-Biphenyl	1.640	1.555	3.252	3.270	3.001		2.544	34.23
41)		2-Chloronaphthale	1.265	1.217	2.554	2.573	2.371		1.996	34.77
42)		2-Nitroaniline	0.349	0.345	0.761	0.771	0.699		0.585	37.42
43)	S	Dimethylphthalate	1.672	1.597	3.314	3.290	3.014		2.577	33.73
44)		Dimethylphthalate	1.698	1.621	3.342	3.344	3.036		2.608	33.56
45)		2,6-Dinitrotoluen	0.319	0.333	0.718	0.738	0.677		0.557	38.12
46)	S	Acenaphthylene-d8	1.946	1.877	3.981	3.999	3.688		3.098	35.20
47)		Acenaphthylene	2.002	1.932	4.055	4.066	3.729		3.157	34.68
48)		3-Nitroaniline		0.314	0.680	0.632	0.489	0.255	0.474	39.68
49)	C	Acenaphthene	1.379	1.301	2.678	2.720	2.495		2.115	33.71#
50)		2,4-Dinitrophenol		0.166	0.433	0.475	0.464	0.229	0.354	40.94
51)	S	4-Nitrophenol-d4		0.259	0.579	0.590	0.543	0.272	0.449	37.42

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.251	0.563	0.567	0.516	0.258	0.431	37.66
53)		Dibenzofuran	1.959	1.840	3.883	3.899	3.618		3.040	34.46
54)		2,4-Dinitrotoluen	0.469	0.479	1.050	1.055	0.993		0.809	37.92
55)		2,3,4,6-Tetrachlo	0.419	0.425	0.924	0.940	0.888		0.719	37.82
56)		Diethylphthalate	1.638	1.585	3.341	3.314	3.033		2.582	34.64
57)	S	Fluorene-d10	1.473	1.366	2.830	2.837	2.592		2.220	33.25
58)		Fluorene	1.645	1.581	3.286	3.329	3.077		2.584	34.49
59)		4-Chlorophenyl-ph	0.888	0.862	1.778	1.776	1.662		1.393	34.12
60)		4-Nitroaniline		0.335	0.725	0.649	0.597	0.298	0.521	36.93
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.111	0.265	0.283	0.265	0.135	0.212	38.60
63)		4,6-Dinitro-2-met		0.122	0.282	0.299	0.281	0.142	0.225	38.02
64)		N-Nitrosodiphenyl	0.590	0.571	1.212	1.229	1.120		0.944	35.43
65)		4-Bromophenyl-phe	0.228	0.217	0.469	0.474	0.438		0.365	35.88
66)		Hexachlorobenzene	0.249	0.243	0.513	0.519	0.476		0.400	35.38
67)		Atrazine		0.232	0.497	0.498	0.434	0.222	0.377	36.88
68)	C	Pentachlorophenol		0.138	0.330	0.343	0.326	0.166	0.260	38.39#
69)		Phenanthrene	1.085	1.059	2.189	2.202	2.002		1.707	34.30
70)	S	Anthracene-d10	0.943	0.917	1.917	1.926	1.745		1.490	34.63
71)		Anthracene	1.116	1.093	2.275	2.300	2.076		1.772	34.74
72)		1,2,3,4-Tetrachlo	0.299	0.289	0.619	0.631	0.585		0.485	36.05
73)		Pentachlorobenzen	0.301	0.280	0.599	0.611	0.559		0.470	35.10
74)		Carbazole		0.940	2.006	2.009	1.826	0.927	1.542	36.32
75)		Di-n-butylphthala	1.132	1.111	2.369	2.425	2.189		1.845	36.11
76)	C	Fluoranthene		1.296	2.673	2.710	2.446	1.239	2.073	35.81#
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.853	0.827	1.772	1.799	1.637		1.377	35.92
79)		Pyrene	1.121	1.081	2.317	2.331	2.117		1.793	35.57
80)		Butylbenzylphthal	0.417	0.413	0.926	0.931	0.860		0.709	38.11
81)		3,3'-Dichlorobenz		0.386	0.846	0.788	0.624	0.322	0.593	39.44
82)		Benzo(a)anthracen	1.197	1.168	2.422	2.447	2.162		1.879	34.37
83)		Bis(2-ethylhexyl)	0.628	0.637	1.356	1.397	1.293		1.062	37.09
84)		Chrysene	1.118	1.076	2.250	2.267	2.003		1.743	34.36
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.061	2.350	2.359	2.366	1.082	1.844	38.23
87)		Benzo(b)fluoranth	1.179	1.144	2.522	2.430	2.351		1.925	36.35
88)		Benzo(k)fluoranth	1.153	1.082	2.284	2.375	2.138		1.807	35.15
89)	S	Benzo(a)pyrene-d1	1.013	0.974	2.096	2.089	1.896		1.614	35.45
90)	C	Benzo(a)pyrene	1.136	1.111	2.373	2.366	2.143		1.826	35.46#
91)		Indeno(1,2,3-cd)p	1.347	1.326	2.812	2.802	2.195		2.096	35.16
92)		Dibenzo(a,h)anthr	1.154	1.128	2.395	2.394	1.892		1.792	35.11
93)		Benzo(g,h,i)peryl	1.138	1.103	2.336	2.329	1.749		1.731	35.01

(#) = Out of Range