Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM051816.M
Title : SVOA CALIBRATION
Last Update : Wed May 18 14:47:27 2016
Response Via : Initial Calibration

Calibration Files
5 =BM005463.D 10 =BM005464.D 20 =BM005465.D
40 =BM005466.D 80 =BM005467.D 160 =BM005468.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.630	0.599	0.584	0.577	0.513		0.581	7.35
3)	S	1,4-Dioxane-d8	0.606	0.548	0.513	0.492	0.438		0.520	12.09
4)		Benzaldehyde		1.150	1.178	1.178	0.695	0.475	0.935	35.23
5)	S	Phenol-d5		1.793	1.870	2.094	2.069	1.782	1.921	7.81
6)		Phenol		1.883	1.993	2.219	2.153	1.846	2.019	8.10
7)	S	Bis-(2-Chloroethy		1.073	1.073	1.126	1.077	0.912	1.052	7.74
8)		Bis(2-Chloroethyl		1.434	1.507	1.580	1.505	1.274	1.460	7.94
9)	S	2-Chlorophenol-d4	1.417	1.370	1.446	1.581	1.566		1.476	6.32
10)		2-Chlorophenol	1.431	1.434	1.484	1.632	1.606		1.518	6.30
11)		2-Methylphenol		1.462	1.533	1.698	1.699	1.459	1.570	7.71
12)		2,2'-oxybis(1-Chl		2.138	2.094	2.209	2.092	1.755	2.058	8.54
13)	S	4-Methylphenol-d8		1.542	1.615	1.782	1.749	1.493	1.636	7.72
14)		Acetophenone		2.583	2.562	2.695	2.519	2.089	2.489	9.38
15)	P	N-Nitroso-di-n-pr	1.432	1.381	1.365	1.436	1.353		1.393	2.76
16)		4-Methylphenol		1.689	1.759	1.931	1.856	1.582	1.763	7.77
17)		Hexachloroethane	0.559	0.529	0.547	0.578	0.558		0.554	3.24
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.144	0.135	0.138	0.153	0.149		0.144	5.03
20)		Nitrobenzene	0.360	0.338	0.352	0.382	0.363		0.359	4.46
21)		Isophorone	0.726	0.711	0.719	0.777	0.738		0.734	3.54
22)	S	2-Nitrophenol-d4	0.148	0.145	0.156	0.170	0.167		0.157	7.02
23)	C	2-Nitrophenol	0.147	0.161	0.170	0.191	0.184		0.170	10.28
24)		2,4-Dimethylpheno	0.376	0.366	0.371	0.399	0.378		0.378	3.30
25)		Bis(2-Chloroethox	0.439	0.424	0.433	0.452	0.426		0.435	2.63
26)	S	2,4-Dichloropheno	0.298	0.292	0.304	0.339	0.328		0.312	6.47
27)	C	2,4-Dichloropheno	0.296	0.302	0.313	0.343	0.327		0.316	6.01
28)		Naphthalene	1.042	0.988	0.998	1.060	0.989		1.015	3.29
29)	S	4-Chloroaniline-d		0.448	0.437	0.442	0.321	0.147	0.359	36.15
30)		4-Chloroaniline		0.476	0.454	0.470	0.348	0.163	0.382	34.79
31)	C	Hexachlorobutadie	0.176	0.178	0.178	0.189	0.178		0.180	2.90
32)		Caprolactam		0.116	0.121	0.130	0.125	0.110	0.121	6.45
33)	C	4-Chloro-3-methyl	0.383	0.375	0.387	0.413	0.390		0.390	3.69
34)		2-Methylnaphthale	0.816	0.785	0.788	0.827	0.776		0.799	2.70
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.615	0.586	0.599	0.632	0.605		0.607	2.86
37)		Hexachlorocyclope		0.316	0.330	0.363	0.363	0.311	0.337	7.43
38)	C	2,4,6-Trichloroph	0.408	0.395	0.420	0.448	0.433		0.421	4.94
39)		2,4,5-Trichloroph	0.443	0.446	0.461	0.491	0.463		0.461	4.14
40)		1,1'-Biphenyl	1.626	1.572	1.582	1.667	1.570		1.603	2.64
41)		2-Chloronaphthale	1.238	1.196	1.213	1.295	1.218		1.232	3.10
42)		2-Nitroaniline	0.367	0.358	0.380	0.423	0.415		0.389	7.45
43)	S	Dimethylphthalate	1.692	1.597	1.625	1.702	1.605		1.644	3.01
44)		Dimethylphthalate	1.711	1.653	1.674	1.730	1.613		1.676	2.79
45)		2,6-Dinitrotoluen	0.286	0.299	0.315	0.359	0.355		0.323	10.20
46)	S	Acenaphthylene-d8	1.925	1.848	1.937	2.050	1.947		1.941	3.72
47)		Acenaphthylene	1.998	1.959	2.011	2.120	1.965		2.010	3.22
48)		3-Nitroaniline		0.333	0.367	0.400	0.361	0.259	0.344	15.48
49)	C	Acenaphthene	1.408	1.348	1.364	1.421	1.325		1.373	2.96
50)		2,4-Dinitrophenol		0.145	0.165	0.204	0.219	0.208	0.188	16.86
51)	S	4-Nitrophenol-d4		0.323	0.337	0.370	0.352	0.305	0.337	7.54

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.290	0.305	0.327	0.314	0.274	0.302	6.77
53)		Dibenzofuran	2.081	1.967	1.976	2.071	1.920		2.003	3.50
54)		2,4-Dinitrotoluen	0.427	0.442	0.497	0.548	0.535		0.490	11.07
55)		2,3,4,6-Tetrachlo	0.413	0.413	0.432	0.469	0.452		0.436	5.64
56)		Diethylphthalate	1.802	1.721	1.765	1.853	1.728		1.774	3.09
57)	S	Fluorene-d10	1.523	1.439	1.439	1.488	1.365		1.451	4.13
58)		Fluorene	1.743	1.687	1.669	1.695	1.489		1.657	5.90
59)		4-Chlorophenyl-ph	0.847	0.814	0.800	0.808	0.715		0.797	6.19
60)		4-Nitroaniline		0.386	0.409	0.438	0.417	0.367	0.403	6.77
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.089	0.103	0.117	0.117	0.101	0.105	11.30
63)		4,6-Dinitro-2-met		0.096	0.113	0.129	0.128	0.108	0.115	12.16
64)		N-Nitrosodiphenyl	0.571	0.552	0.573	0.595	0.547		0.567	3.38
65)		4-Bromophenyl-phe	0.204	0.195	0.202	0.210	0.200		0.202	2.61
66)		Hexachlorobenzene	0.238	0.232	0.234	0.244	0.226		0.235	2.86
67)		Atrazine		0.218	0.225	0.233	0.201	0.139	0.203	18.45
68)	C	Pentachlorophenol		0.139	0.153	0.169	0.162	0.134	0.151	9.72
69)		Phenanthrene	1.195	1.112	1.133	1.174	1.074		1.138	4.25
70)	S	Anthracene-d10	0.940	0.908	0.923	0.958	0.871		0.920	3.62
71)		Anthracene	1.151	1.118	1.140	1.168	1.049		1.125	4.12
72)		Carbazole		1.071	1.091	1.120	1.007	0.806	1.019	12.36
73)		Di-n-butylphthala	1.249	1.212	1.288	1.341	1.222		1.262	4.20
74)	C	Fluoranthene		1.419	1.447	1.476	1.298	1.013	1.331	14.28
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.753	0.769	0.801	0.852	0.846		0.804	5.53
77)		Pyrene	1.033	1.044	1.070	1.127	1.085		1.072	3.46
78)		Butylbenzylphthal	0.403	0.413	0.456	0.499	0.505		0.455	10.37
79)		3,3'-Dichlorobenz		0.406	0.415	0.426	0.384	0.284	0.383	15.08
80)		Benzo(a)anthracen	1.200	1.159	1.166	1.214	1.136		1.175	2.69
81)		Bis(2-ethylhexyl)	0.627	0.661	0.699	0.736	0.681		0.681	5.99
82)		Chrysene	1.131	1.101	1.115	1.138	1.071		1.112	2.40
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.024	1.107	1.197	1.127	0.853	1.062	12.44
85)		Benzo(b)fluoranth	1.144	1.122	1.185	1.187	1.084		1.145	3.82
86)		Benzo(k)fluoranth	1.121	1.123	1.103	1.173	1.040		1.112	4.31
87)	S	Benzo(a)pyrene-d1	0.878	0.864	0.897	0.948	0.885		0.894	3.62
88)	C	Benzo(a)pyrene	1.137	1.134	1.152	1.188	1.075		1.137	3.59
89)		Indeno(1,2,3-cd)p	1.559	1.487	1.492	1.556	1.394		1.498	4.49
90)		Dibenzo(a,h)anthr	1.323	1.252	1.255	1.274	1.116		1.244	6.18
91)		Benzo(g,h,i)peryl	1.333	1.261	1.282	1.365	1.249		1.298	3.79

(#) = Out of Range