Response Factor Report gcms1

Method Path : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\
Method File : SFAM-EPA-BM010421.M
Title : SVOA CALIBRATION
Last Update : Mon Jan 04 17:00:49 2021
Response Via : Initial Calibration

Calibration Files
5 =BM028332.D 10 =BM028333.D 20 =BM028338.D
40 =BM028335.D 80 =BM028336.D 160 =BM028337.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.514	0.490	0.519	0.500	0.513		0.507	2.37
3)	S	1,4-Dioxane-d8	0.486	0.498	0.504	0.488	0.490		0.493	1.56
4)	S	Pyridine-d5		1.317	1.442	1.433	1.409	1.425	1.405	3.62
5)		Pyridine		1.352	1.458	1.425	1.413	1.422	1.414	2.71
6)		Benzaldehyde		0.765	0.557	0.854	0.667	0.436	0.656	25.24
7)	S	Phenol-d5		1.601	1.778	1.757	1.661	1.664	1.692	4.36
8)		Phenol		1.632	1.806	1.780	1.680	1.675	1.715	4.35
9)	S	Bis-(2-Chloroethy		1.023	1.106	1.079	1.006	1.010	1.045	4.31
10)		Bis(2-Chloroethyl		1.351	1.472	1.451	1.357	1.361	1.398	4.17
11)	S	2-Chlorophenol-d4	1.358	1.353	1.486	1.477	1.419		1.419	4.46
12)		2-Chlorophenol	1.385	1.419	1.537	1.523	1.447		1.462	4.50
13)		2-Methylphenol		1.204	1.384	1.379	1.266	1.265	1.300	6.08
14)		2,2'-oxybis(1-Chl		2.275	2.433	2.450	2.211	2.181	2.310	5.41
15)	S	4-Methylphenol-d8		1.266	1.463	1.462	1.321	1.319	1.366	6.64
16)		Acetophenone		1.986	2.253	2.237	1.983	1.962	2.084	7.07
17)	P	N-Nitroso-di-n-pr	0.922	0.960	1.123	1.141	0.991		1.027	9.62
18)		4-Methylphenol		1.307	1.491	1.494	1.360	1.333	1.397	6.37
19)		Hexachloroethane	0.586	0.613	0.638	0.659	0.625		0.624	4.36
20)	I	Naphthalene-d8	----------	ISTD	----------					
21)	S	Nitrobenzene-d5	0.149	0.153	0.170	0.170	0.169		0.162	6.32
22)		Nitrobenzene	0.382	0.391	0.405	0.402	0.398		0.396	2.38
23)		Isophorone	0.593	0.637	0.721	0.726	0.665		0.669	8.49
24)	S	2-Nitrophenol-d4	0.149	0.159	0.181	0.184	0.185		0.172	9.65
25)	C	2-Nitrophenol	0.169	0.176	0.201	0.203	0.199		0.190	8.49
26)		2,4-Dimethylpheno	0.353	0.364	0.382	0.387	0.369		0.371	3.76
27)		Bis(2-Chloroethox	0.418	0.435	0.462	0.464	0.433		0.442	4.45
28)	S	2,4-Dichloropheno	0.299	0.310	0.338	0.341	0.327		0.323	5.66
29)	C	2,4-Dichloropheno	0.296	0.307	0.331	0.331	0.316		0.316	4.86
30)		Naphthalene	1.105	1.122	1.160	1.153	1.117		1.131	2.12
31)	S	4-Chloroaniline-d		0.378	0.485	0.480	0.436	0.429	0.442	9.86
32)		4-Chloroaniline		0.370	0.473	0.467	0.426	0.420	0.431	9.62
33)	C	Hexachlorobutadie	0.210	0.207	0.206	0.208	0.206		0.207	0.71
34)		Caprolactam		0.075	0.108	0.106	0.093	0.093	0.095	13.70
35)	C	4-Chloro-3-methyl	0.293	0.307	0.356	0.358	0.321		0.327	8.92
36)		2-Methylnaphthale	0.700	0.741	0.804	0.798	0.739		0.756	5.82
37)		1-Methylnaphthale	0.684	0.710	0.769	0.771	0.708		0.728	5.38
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.670	0.677	0.670	0.670	0.679		0.673	0.68
40)		Hexachlorocyclope		0.336	0.363	0.388	0.420	0.451	0.391	11.66
41)	C	2,4,6-Trichloroph	0.378	0.397	0.438	0.442	0.437		0.419	6.94
42)		2,4,5-Trichloroph	0.415	0.437	0.473	0.475	0.467		0.454	5.78
43)		1,1'-Biphenyl	1.674	1.695	1.733	1.723	1.713		1.708	1.38
44)		2-Chloronaphthale	1.350	1.339	1.373	1.351	1.353		1.353	0.91
45)		2-Nitroaniline	0.320	0.343	0.399	0.407	0.397		0.373	10.43
46)	S	Dimethylphthalate	1.427	1.448	1.616	1.585	1.477		1.511	5.62
47)		Dimethylphthalate	1.490	1.527	1.671	1.631	1.522		1.568	4.99
48)		2,6-Dinitrotoluen	0.243	0.276	0.346	0.354	0.337		0.311	15.79
49)	S	Acenaphthylene-d8	1.736	1.847	2.018	2.020	1.980		1.920	6.50
50)		Acenaphthylene	1.821	1.922	2.071	2.053	2.005		1.974	5.24
51)		3-Nitroaniline		0.266	0.293	0.331	0.308	0.285	0.296	8.32

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	C	Acenaphthene	1.354	1.390	1.473	1.458	1.413		1.418	3.42
53)		2,4-Dinitrophenol		0.123	0.189	0.202	0.204	0.216	0.187	19.76
54)	S	4-Nitrophenol-d4		0.240	0.313	0.307	0.297	0.299	0.291	9.98
55)		4-Nitrophenol		0.204	0.244	0.236	0.223	0.222	0.226	6.64
56)		Dibenzofuran	1.865	1.860	1.986	1.958	1.882		1.910	3.04
57)		2,4-Dinitrotoluen	0.352	0.382	0.495	0.490	0.465		0.437	15.02
58)		2,3,4,6-Tetrachlo	0.313	0.335	0.399	0.400	0.384		0.366	10.83
59)		Diethylphthalate	1.440	1.465	1.688	1.664	1.518		1.555	7.36
60)	S	Fluorene-d10	1.268	1.306	1.427	1.379	1.309		1.338	4.79
61)		Fluorene	1.508	1.541	1.685	1.657	1.561		1.591	4.82
62)		4-Chlorophenyl-ph	0.752	0.757	0.809	0.791	0.745		0.771	3.61
63)		4-Nitroaniline		0.273	0.198	0.307	0.277	0.240	0.259	16.05
64)	I	Phenanthrene-d10	----------ISTD----------							
65)	S	4,6-Dinitro-2-met		0.100	0.129	0.136	0.138	0.145	0.130	13.52
66)		4,6-Dinitro-2-met		0.112	0.143	0.145	0.146	0.152	0.140	11.30
67)		N-Nitrosodiphenyl	0.633	0.650	0.669	0.682	0.665		0.660	2.90
68)		4-Bromophenyl-phe	0.219	0.231	0.236	0.239	0.236		0.232	3.34
69)		Hexachlorobenzene	0.260	0.262	0.273	0.274	0.266		0.267	2.37
70)		Atrazine		0.211	0.237	0.239	0.229	0.229	0.229	4.81
71)	C	Pentachlorophenol		0.128	0.154	0.163	0.161	0.166	0.154	10.07
72)		Phenanthrene	1.197	1.197	1.259	1.232	1.207		1.218	2.20
73)	S	Anthracene-d10	0.940	0.962	1.037	1.016	0.989		0.989	3.98
74)		Anthracene	1.181	1.209	1.285	1.274	1.244		1.239	3.51
75)		1,2,3,4-Tetrachlo	0.345	0.347	0.313	0.328	0.343		0.335	4.33
76)		Pentachlorobenzen	0.330	0.331	0.318	0.324	0.325		0.326	1.65
77)		Carbazole		0.999	1.116	1.080	1.065	1.061	1.064	3.99
78)		Di-n-butylphthala	1.066	1.143	1.337	1.347	1.278		1.234	10.09
79)	I	Chrysene-d12	----------ISTD----------							
80)		Fluoranthene	1.386	1.451	1.540	1.730	1.435		1.508	9.01
81)	S	Pyrene-d10	1.060	1.104	1.186	1.294	1.099		1.149	8.11
82)		Pyrene	1.464	1.517	1.597	1.751	1.473		1.560	7.60
83)		Butylbenzylphthal	0.478	0.512	0.628	0.673	0.599		0.578	14.03
84)		3,3'-Dichlorobenz		0.414	0.407	0.433	0.432	0.411	0.420	2.87
85)		Benzo(a)anthracen	1.291	1.315	1.399	1.371	1.316		1.338	3.35
86)		Bis(2-ethylhexyl)	0.654	0.709	0.861	0.900	0.843		0.793	13.35
87)		Chrysene	1.307	1.316	1.375	1.333	1.294		1.325	2.35
88)	I	Perylene-d12	----------ISTD----------							
89)		Di-n-octyl phthal		1.158	1.610	1.583	1.396	1.421	1.434	12.64
90)		Benzo(b)fluoranth	1.272	1.292	1.432	1.407	1.318		1.344	5.31
91)		Benzo(k)fluoranth	1.244	1.292	1.470	1.361	1.273		1.328	6.80
92)	S	Benzo(a)pyrene-d1	1.003	1.036	1.142	1.110	1.078		1.074	5.17
93)	C	Benzo(a)pyrene	1.149	1.196	1.288	1.251	1.205		1.218	4.38
94)		Indeno(1,2,3-cd)p	1.444	1.452	1.340	1.434	1.469		1.428	3.54
95)		Dibenzo(a,h)anthr	1.221	1.233	1.148	1.216	1.237		1.211	2.99
96)		Benzo(g,h,i)peryl	1.235	1.233	1.115	1.220	1.261		1.213	4.69

(#) = Out of Range