Response Factor Report MSBNA_P

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
Method File : SFAM-EPA-BP090821.M
Title : SVOA CALIBRATION
Last Update : Thu Sep 09 11:07:24 2021
Response Via : Initial Calibration

Calibration Files
5 =BP006884.D 10 =BP006885.D 20 =BP006892.D 40 =BP006887.D 80 =BP006888.D 160 =BP006889.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------					
2)		1,4-Dioxane	0.586	0.571	0.538	0.557	0.544		0.559	3.53
3)	S	1,4-Dioxane-d8	0.509	0.512	0.494	0.500	0.497		0.503	1.57
4)	S	Pyridine-d5		1.212	1.267	1.375	1.378	1.316	1.310	5.44
5)		Pyridine		1.248	1.286	1.358	1.381	1.297	1.314	4.14
6)		Benzaldehyde		0.924	0.926	0.983	0.986	0.865	0.937	5.35
7)	S	Phenol-d5		1.357	1.402	1.514	1.562	1.515	1.470	5.87
8)		Phenol		1.432	1.455	1.576	1.602	1.531	1.520	4.87
9)	S	Bis-(2-Chloroe...		0.829	0.823	0.877	0.874	0.818	0.844	3.40
10)		Bis(2-Chloroet...		1.194	1.175	1.259	1.271	1.184	1.217	3.68
11)	S	2-Chlorophenol-d4	1.115	1.117	1.158	1.255	1.287		1.187	6.73
12)		2-Chlorophenol	1.149	1.175	1.186	1.284	1.294		1.217	5.51
13)		2-Methylphenol		1.068	1.097	1.204	1.225	1.176	1.154	5.91
14)		2,2'-oxybis(1-...		1.399	1.383	1.467	1.440	1.336	1.405	3.61
15)	S	4-Methylphenol-d8		1.047	1.084	1.205	1.241	1.195	1.154	7.28
16)		Acetophenone		1.752	1.747	1.860	1.811	1.682	1.770	3.83
17)	P	N-Nitroso-di-n...	0.774	0.795	0.806	0.885	0.865		0.825	5.77
18)		4-Methylphenol		1.136	1.184	1.303	1.311	1.255	1.238	6.12
19)		Hexachloroethane	0.498	0.479	0.478	0.507	0.516		0.496	3.37
20)	I	Naphthalene-d8	----------	ISTD	----------					
21)	S	Nitrobenzene-d5	0.106	0.108	0.115	0.133	0.143		0.121	13.58
22)		Nitrobenzene	0.269	0.273	0.286	0.316	0.323		0.293	8.43
23)		Isophorone	0.526	0.547	0.567	0.630	0.641		0.582	8.74
24)	S	2-Nitrophenol-d4	0.095	0.099	0.113	0.134	0.155		0.119	21.01
25)	C	2-Nitrophenol	0.103	0.112	0.128	0.154	0.170		0.133	21.10#
26)		2,4-Dimethylph...	0.296	0.315	0.317	0.344	0.343		0.323	6.38
27)		Bis(2-Chloroet...	0.368	0.375	0.375	0.405	0.405		0.385	4.63
28)	S	2,4-Dichloroph...	0.249	0.262	0.273	0.305	0.318		0.281	10.36
29)	C	2,4-Dichloroph...	0.254	0.266	0.271	0.297	0.305		0.279	7.83
30)		Naphthalene	0.963	0.972	0.949	0.992	0.974		0.970	1.64
31)	S	4-Chloroanilin...		0.364	0.377	0.409	0.410	0.384	0.389	5.14
32)		4-Chloroaniline		0.372	0.390	0.418	0.417	0.384	0.396	5.14
33)	C	Hexachlorobuta...	0.188	0.186	0.188	0.197	0.201		0.192	3.29
34)		Caprolactam		0.060	0.070	0.088	0.098	0.098	0.083	20.38
35)	C	4-Chloro-3-met...	0.248	0.265	0.276	0.309	0.314		0.282	10.13
36)		2-Methylnaphth...	0.634	0.646	0.634	0.670	0.668		0.650	2.70
37)		1-Methylnaphth...	0.652	0.655	0.648	0.686	0.676		0.664	2.53
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrac...	0.565	0.562	0.557	0.589	0.591		0.573	2.80
40)		Hexachlorocycl...		0.324	0.340	0.379	0.402	0.403	0.370	9.79
41)	C	2,4,6-Trichlor...	0.283	0.303	0.326	0.364	0.381		0.331	12.40
42)		2,4,5-Trichlor...	0.326	0.347	0.363	0.399	0.414		0.370	9.83
43)		1,1'-Biphenyl	1.385	1.400	1.377	1.426	1.374		1.393	1.55
44)		2-Chloronaphth...	1.062	1.065	1.063	1.100	1.078		1.074	1.50
45)		2-Nitroaniline	0.171	0.182	0.209	0.254	0.274		0.218	20.41
46)	S	Dimethylphthal...	1.245	1.257	1.272	1.365	1.339		1.295	4.11
47)		Dimethylphthalate	1.275	1.279	1.281	1.361	1.337		1.306	3.02
48)		2,6-Dinitrotol...	0.167	0.178	0.207	0.258	0.281		0.218	22.66
49)	S	Acenaphthylene-d8	1.536	1.575	1.642	1.737	1.712		1.641	5.25
50)		Acenaphthylene	1.614	1.680	1.712	1.785	1.721		1.702	3.68
51)		3-Nitroaniline		0.180	0.220	0.267	0.295	0.288	0.250	19.43
52)	C	Acenaphthene	1.133	1.119	1.105	1.159	1.120		1.127	1.78
53)		2,4-Dinitrophenol		0.068	0.087	0.126	0.159	0.173	0.123	36.72
54)	S	4-Nitrophenol-d4		0.170	0.203	0.242	0.258	0.253	0.225	16.79
55)		4-Nitrophenol		0.133	0.154	0.178	0.184	0.177	0.165	12.87

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56)		Dibenzofuran	1.622	1.629	1.613	1.673	1.596	1.627	1.76
57)		2,4-Dinitrotol...	0.232	0.262	0.305	0.364	0.395	0.312	21.90
58)		2,3,4,6-Tetrac...	0.261	0.269	0.290	0.326	0.343	0.298	12.03
59)		Diethylphthalate	1.228	1.233	1.244	1.329	1.327	1.272	4.04
60)	S	Fluorene-d10	1.138	1.129	1.122	1.180	1.147	1.143	1.97
61)		Fluorene	1.311	1.314	1.288	1.317	1.251	1.296	2.14
62)		4-Chlorophenyl...	0.667	0.662	0.652	0.672	0.652	0.661	1.39
63)		4-Nitroaniline		0.182	0.226	0.271	0.295	0.274	0.250	18.28
64)	I	Phenanthrene-d10	----------ISTD----------							
65)	S	4,6-Dinitro-2-...		0.058	0.070	0.092	0.109	0.113	0.088	27.31
66)		4,6-Dinitro-2-...		0.058	0.075	0.095	0.109	0.113	0.090	25.79
67)		N-Nitrosodiphe...	0.509	0.526	0.519	0.548	0.531	0.527	2.73
68)		4-Bromophenyl-...	0.180	0.185	0.182	0.197	0.201	0.189	5.05
69)		Hexachlorobenzene	0.212	0.216	0.212	0.227	0.229	0.219	3.70
70)		Atrazine		0.183	0.187	0.210	0.213	0.205	0.199	6.85
71)	C	Pentachlorophenol		0.095	0.109	0.131	0.145	0.149	0.126	18.53
72)		Phenanthrene	1.006	1.010	0.974	1.019	0.973	0.996	2.13
73)	S	Anthracene-d10	0.801	0.818	0.823	0.864	0.835	0.828	2.82
74)		Anthracene	0.971	0.996	0.986	1.031	0.968	0.990	2.58
75)		1,2,3,4-Tetrac...	0.273	0.275	0.273	0.290	0.291	0.280	3.30
76)		Pentachloroben...	0.269	0.266	0.263	0.279	0.279	0.271	2.69
77)		Carbazole		0.878	0.875	0.936	0.891	0.821	0.880	4.66
78)		Di-n-butylphth...	0.934	0.949	0.973	1.077	1.055	0.997	6.46
79)	I	Chrysene-d12	----------ISTD----------							
80)		Fluoranthene	1.142	1.158	1.130	1.210	1.185	1.165	2.80
81)	S	Pyrene-d10	0.914	0.916	0.910	0.974	0.969	0.937	3.40
82)		Pyrene	1.202	1.190	1.162	1.230	1.191	1.195	2.04
83)		Butylbenzylpht...	0.349	0.371	0.398	0.469	0.494	0.416	15.11
84)		3,3'-Dichlorob...		0.356	0.394	0.444	0.455	0.426	0.415	9.71
85)		Benzo(a)anthra...	1.132	1.149	1.152	1.212	1.176	1.164	2.66
86)		Bis(2-ethylhex...	0.543	0.571	0.611	0.688	0.689	0.620	10.76
87)		Chrysene	1.163	1.150	1.128	1.185	1.136	1.152	1.95
88)	I	Perylene-d12	----------ISTD----------							
89)		Di-n-octyl pht...		0.908	0.958	1.129	1.167	1.006	1.034	10.73
90)		Benzo(b)fluora...	1.114	1.131	1.164	1.255	1.188	1.170	4.71
91)		Benzo(k)fluora...	1.068	1.103	1.056	1.115	1.135	1.095	3.01
92)	S	Benzo(a)pyrene...	0.898	0.932	0.948	1.022	1.025	0.965	5.84
93)	C	Benzo(a)pyrene	1.055	1.108	1.113	1.187	1.167	1.126	4.63
94)		Indeno(1,2,3-c...	1.194	1.271	1.304	1.386	1.375	1.306	6.04
95)		Dibenzo(a,h)an...	1.037	1.117	1.128	1.195	1.173	1.130	5.41
96)		Benzo(g,h,i)pe...	1.036	1.112	1.110	1.176	1.167	1.120	5.02

(#) = Out of Range