Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : SFAM-EPA-BN022825.MA.M
Title : SVOA CALIBRATION
Last Update : Mon Mar 03 12:45:15 2025
Response Via : Initial Calibration

Calibration Files
5 =BN036516.D 10 =BN036517.D 20 =BN036518.D 40 =BN036519.D 80 =BN036520.D 160 =BN036521.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------					
2)		1,4-Dioxane	0.555	0.595	0.665	0.553	0.517		0.577	9.79
3)	S	1,4-Dioxane-d8	0.511	0.508	0.569	0.502	0.481		0.514	6.39
4)	S	Pyridine-d5		1.440	1.737	1.629	1.545	1.512	1.572	7.26
5)		Pyridine		1.517	1.819	1.707	1.595	1.565	1.641	7.42
6)		Benzaldehyde		1.332	1.537	1.261	0.937	0.563	1.126	33.87
7)	S	Phenol-d5		1.640	2.034	1.990	1.933	1.955	1.910	8.15
8)		Phenol		1.784	2.227	2.107	2.064	2.056	2.048	7.93
9)	S	Bis-(2-Chloroe...		1.296	1.506	1.381	1.333	1.279	1.359	6.70
10)		Bis(2-Chloroet...		1.485	1.784	1.633	1.559	1.535	1.599	7.27
11)	S	2-Chlorophenol-d4	1.155	1.221	1.478	1.440	1.421		1.343	10.78
12)		2-Chlorophenol	1.278	1.285	1.568	1.489	1.464		1.417	9.14
13)		2-Methylphenol		1.287	1.587	1.521	1.489	1.491	1.475	7.61
14)		2,2'-oxybis(1-...		2.949	3.474	3.141	2.957	2.826	3.069	8.24
15)	S	4-Methylphenol-d8		1.349	1.700	1.629	1.606	1.603	1.577	8.47
16)		Acetophenone		2.542	2.991	2.754	2.606	2.511	2.681	7.36
17)	P	N-Nitroso-di-n...	1.331	1.417	1.711	1.576	1.494		1.506	9.71
18)		4-Methylphenol		1.488	1.838	1.744	1.696	1.658	1.685	7.65
19)		Hexachloroethane	0.617	0.610	0.733	0.658	0.639		0.651	7.55
20)	I	Naphthalene-d8	----------	ISTD	----------					
21)	S	Nitrobenzene-d5	0.136	0.140	0.179	0.170	0.166		0.158	12.05
22)		Nitrobenzene	0.447	0.446	0.527	0.495	0.476		0.478	7.18
23)		Isophorone	0.812	0.841	0.995	0.923	0.882		0.890	8.06
24)	S	2-Nitrophenol-d4	0.133	0.148	0.188	0.181	0.185		0.167	14.94
25)	C	2-Nitrophenol	0.158	0.169	0.207	0.199	0.196		0.186	11.36
26)		2,4-Dimethylph...	0.357	0.371	0.446	0.405	0.385		0.393	8.81
27)		Bis(2-Chloroet...	0.474	0.480	0.560	0.512	0.484		0.502	7.05
28)	S	2,4-Dichloroph...	0.258	0.267	0.346	0.325	0.319		0.303	12.61
29)	C	2,4-Dichloroph...	0.282	0.285	0.340	0.328	0.319		0.311	8.34
30)		Naphthalene	1.064	1.046	1.227	1.137	1.056		1.106	6.92
31)	S	4-Chloroanilin...		0.420	0.519	0.483	0.467	0.450	0.468	7.89
32)		4-Chloroaniline		0.412	0.501	0.471	0.451	0.429	0.453	7.75
33)	C	Hexachlorobuta...	0.207	0.193	0.225	0.202	0.196		0.205	6.09
34)		Caprolactam		0.110	0.141	0.134	0.131	0.127	0.129	8.86
35)	C	4-Chloro-3-met...	0.325	0.358	0.456	0.420	0.411		0.394	13.18
36)		2-Methylnaphth...	0.712	0.735	0.860	0.795	0.748		0.770	7.65
37)		1-Methylnaphth...	0.733	0.751	0.852	0.802	0.743		0.776	6.44
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrac...	0.537	0.535	0.613	0.575	0.544		0.561	5.90
40)		Hexachlorocycl...		0.298	0.361	0.348	0.323	0.325	0.331	7.38
41)	C	2,4,6-Trichlor...	0.318	0.342	0.406	0.398	0.380		0.369	10.14
42)		2,4,5-Trichlor...	0.339	0.372	0.452	0.434	0.423		0.404	11.66
43)		1,1'-Biphenyl	1.419	1.438	1.621	1.501	1.407		1.477	5.98
44)		2-Chloronaphth...	1.091	1.115	1.264	1.159	1.098		1.145	6.25
45)		2-Nitroaniline	0.369	0.413	0.516	0.504	0.497		0.460	14.16
46)	S	Dimethylphthal...	1.427	1.449	1.660	1.544	1.440		1.504	6.56
47)		Dimethylphthalate	1.434	1.490	1.659	1.543	1.457		1.517	5.90
48)		2,6-Dinitrotol...	0.245	0.266	0.330	0.322	0.317		0.296	12.83
49)	S	Acenaphthylene-d8	1.524	1.608	1.879	1.740	1.651		1.680	8.08
50)		Acenaphthylene	1.708	1.757	2.015	1.849	1.763		1.818	6.66
51)		3-Nitroaniline		0.277	0.352	0.346	0.327	0.297	0.320	10.02
52)	C	Acenaphthene	1.248	1.284	1.415	1.340	1.268		1.311	5.16
53)		2,4-Dinitrophenol		0.142	0.200	0.219	0.227	0.230	0.204	17.90
54)	S	4-Nitrophenol-d4		0.250	0.318	0.321	0.308	0.294	0.298	9.74
55)		4-Nitrophenol		0.261	0.326	0.309	0.295	0.276	0.293	8.83

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56)		Dibenzofuran	1.758	1.761	1.981	1.821	1.712	1.807	5.83
57)		2,4-Dinitrotol...	0.382	0.416	0.512	0.484	0.473	0.453	11.70
58)		2,3,4,6-Tetrac...	0.295	0.320	0.375	0.354	0.346	0.338	9.21
59)		Diethylphthalate	1.480	1.503	1.736	1.617	1.542	1.576	6.59
60)	S	Fluorene-d10	1.177	1.248	1.402	1.294	1.222	1.269	6.75
61)		Fluorene	1.436	1.479	1.632	1.499	1.420	1.493	5.62
62)		4-Chlorophenyl...	0.704	0.679	0.788	0.724	0.665	0.712	6.75
63)		4-Nitroaniline		0.297	0.376	0.343	0.309	0.248	0.315	15.43
64)	I	Phenanthrene-d10	----------ISTD----------						
65)	S	4,6-Dinitro-2-...		0.110	0.140	0.146	0.141	0.147	0.137	11.04
66)		4,6-Dinitro-2-...		0.123	0.158	0.155	0.150	0.150	0.147	9.41
67)		N-Nitrosodiphe...	0.587	0.578	0.666	0.637	0.587	0.611	6.31
68)		4-Bromophenyl-...	0.184	0.189	0.207	0.202	0.188	0.194	5.17
69)		Hexachlorobenzene	0.209	0.212	0.230	0.219	0.210	0.216	3.98
70)		Atrazine		0.216	0.264	0.242	0.215	0.199	0.227	11.22
71)	C	Pentachlorophenol		0.122	0.158	0.156	0.156	0.154	0.149	10.26
72)		Phenanthrene	1.149	1.108	1.269	1.180	1.086	1.158	6.21
73)	S	Anthracene-d10	0.932	0.949	1.076	1.024	0.939	0.984	6.42
74)		Anthracene	1.157	1.112	1.301	1.196	1.131	1.179	6.34
75)		1,2,3,4-Tetrac...	0.259	0.263	0.299	0.281	0.265	0.274	6.08
76)		Pentachloroben...	0.266	0.266	0.295	0.284	0.267	0.276	4.77
77)		Carbazole		1.002	1.169	1.116	1.021	0.990	1.060	7.42
78)		Di-n-butylphth...	1.214	1.233	1.439	1.397	1.308	1.318	7.48
79)	I	Chrysene-d12	----------ISTD----------						
80)		Fluoranthene	1.196	1.236	1.429	1.286	1.245	1.279	7.04
81)	S	Pyrene-d10	1.003	1.059	1.189	1.123	1.089	1.093	6.38
82)		Pyrene	1.334	1.358	1.542	1.392	1.333	1.392	6.27
83)		Butylbenzylpht...	0.493	0.527	0.633	0.608	0.610	0.574	10.50
84)		3,3'-Dichlorob...		0.340	0.427	0.396	0.357	0.321	0.368	11.69
85)		Benzo(a)anthra...	1.317	1.339	1.490	1.398	1.345	1.378	5.06
86)		Bis(2-ethylhex...	0.726	0.767	0.910	0.887	0.879	0.834	9.81
87)		Chrysene	1.317	1.302	1.452	1.308	1.253	1.326	5.62
88)	I	Perylene-d12	----------ISTD----------						
89)		Di-n-octyl pht...		1.110	1.404	1.397	1.400	1.414	1.345	9.79
90)		Benzo(b)fluora...	1.191	1.149	1.343	1.262	1.185	1.226	6.30
91)		Benzo(k)fluora...	1.175	1.194	1.344	1.270	1.202	1.237	5.64
92)	S	Benzo(a)pyrene...	0.873	0.921	1.115	1.059	1.015	0.997	9.97
93)	C	Benzo(a)pyrene	1.142	1.084	1.275	1.216	1.135	1.170	6.43
94)		Indeno(1,2,3-c...	1.371	1.333	1.563	1.481	1.397	1.429	6.48
95)		Dibenzo(a,h)an...	1.048	1.062	1.240	1.202	1.142	1.139	7.40
96)		Benzo(g,h,i)pe...	1.054	1.040	1.221	1.156	1.093	1.113	6.78

(#) = Out of Range