Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : SFAM-EPA-BN090821MA.M
Title : SVOA CALIBRATION
Last Update : Wed Sep 08 19:47:27 2021
Response Via : Initial Calibration

Calibration Files
5 =BN016244.D 10 =BN016245.D 20 =BN016246.D 40 =BN016247.D 80 =BN016248.D 160 =BN016249.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------					
2)		1,4-Dioxane	0.495	0.424	0.389	0.408	0.442		0.432	9.40
3)	S	1,4-Dioxane-d8	0.380	0.364	0.373	0.390	0.410		0.383	4.66
4)	S	Pyridine-d5		0.987	1.060	1.150	1.217	1.171	1.117	8.26
5)		Pyridine		1.024	1.045	1.147	1.187	1.150	1.110	6.47
6)		Benzaldehyde		0.890	0.881	0.958	0.969	0.825	0.904	6.57
7)	S	Phenol-d5		1.412	1.445	1.554	1.590	1.545	1.509	5.05
8)		Phenol		1.460	1.469	1.588	1.614	1.557	1.538	4.54
9)	S	Bis-(2-Chloroe...		0.766	0.778	0.829	0.842	0.807	0.805	4.01
10)		Bis(2-Chloroet...		1.129	1.127	1.193	1.223	1.161	1.167	3.57
11)	S	2-Chlorophenol-d4	1.211	1.227	1.252	1.335	1.370		1.279	5.45
12)		2-Chlorophenol	1.214	1.256	1.254	1.335	1.371		1.286	5.02
13)		2-Methylphenol		1.116	1.151	1.227	1.258	1.189	1.188	4.79
14)		2,2'-oxybis(1-...		1.501	1.514	1.571	1.597	1.520	1.541	2.69
15)	S	4-Methylphenol-d8		1.126	1.163	1.260	1.288	1.244	1.216	5.63
16)		Acetophenone		1.823	1.755	1.953	1.923	1.794	1.850	4.59
17)	P	N-Nitroso-di-n...	0.805	0.841	0.833	0.904	0.901		0.857	5.12
18)		4-Methylphenol		1.224	1.229	1.338	1.346	1.287	1.285	4.49
19)		Hexachloroethane	0.490	0.496	0.494	0.524	0.535		0.508	4.01
20)	I	Naphthalene-d8	----------	ISTD	----------					
21)	S	Nitrobenzene-d5	0.138	0.139	0.142	0.153	0.157		0.146	5.95
22)		Nitrobenzene	0.285	0.289	0.292	0.307	0.314		0.297	4.29
23)		Isophorone	0.549	0.556	0.560	0.606	0.617		0.578	5.44
24)	S	2-Nitrophenol-d4	0.145	0.154	0.162	0.175	0.182		0.163	9.18
25)	C	2-Nitrophenol	0.157	0.167	0.170	0.188	0.191		0.174	8.21
26)		2,4-Dimethylph...	0.309	0.316	0.319	0.338	0.344		0.325	4.59
27)		Bis(2-Chloroet...	0.356	0.353	0.358	0.377	0.386		0.366	3.95
28)	S	2,4-Dichloroph...	0.279	0.286	0.293	0.312	0.321		0.298	5.87
29)	C	2,4-Dichloroph...	0.281	0.284	0.289	0.303	0.310		0.293	4.33
30)		Naphthalene	0.981	0.974	0.949	0.985	0.991		0.976	1.65
31)	S	4-Chloroanilin...		0.381	0.398	0.425	0.428	0.413	0.409	4.81
32)		4-Chloroaniline		0.403	0.404	0.427	0.436	0.411	0.416	3.58
33)	C	Hexachlorobuta...	0.194	0.198	0.191	0.197	0.198		0.196	1.51
34)		Caprolactam		0.088	0.094	0.103	0.106	0.107	0.100	8.27
35)	C	4-Chloro-3-met...	0.287	0.291	0.295	0.318	0.325		0.303	5.62
36)		2-Methylnaphth...	0.664	0.653	0.645	0.676	0.690		0.666	2.70
37)		1-Methylnaphth...	0.677	0.682	0.668	0.683	0.691		0.680	1.22
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrac...	0.555	0.549	0.555	0.576	0.573		0.562	2.16
40)		Hexachlorocycl...		0.269	0.306	0.338	0.356	0.342	0.322	10.79
41)	C	2,4,6-Trichlor...	0.325	0.342	0.362	0.384	0.387		0.360	7.44
42)		2,4,5-Trichlor...	0.356	0.379	0.392	0.406	0.414		0.390	5.91
43)		1,1'-Biphenyl	1.324	1.338	1.354	1.373	1.363		1.350	1.43
44)		2-Chloronaphth...	1.052	1.057	1.056	1.096	1.089		1.070	1.93
45)		2-Nitroaniline	0.232	0.254	0.275	0.300	0.300		0.272	10.88
46)	S	Dimethylphthal...	1.241	1.261	1.267	1.335	1.316		1.284	3.09
47)		Dimethylphthalate	1.238	1.283	1.255	1.337	1.306		1.284	3.08
48)		2,6-Dinitrotol...	0.237	0.251	0.278	0.295	0.301		0.272	10.11
49)	S	Acenaphthylene-d8	1.586	1.660	1.658	1.764	1.742		1.682	4.26
50)		Acenaphthylene	1.680	1.718	1.729	1.793	1.769		1.738	2.54
51)		3-Nitroaniline		0.260	0.288	0.322	0.328	0.310	0.301	9.25
52)	C	Acenaphthene	1.090	1.117	1.106	1.127	1.105		1.109	1.25
53)		2,4-Dinitrophenol		0.083	0.119	0.159	0.177	0.192	0.146	30.60
54)	S	4-Nitrophenol-d4		0.212	0.237	0.263	0.267	0.259	0.247	9.35
55)		4-Nitrophenol		0.145	0.160	0.174	0.174	0.174	0.165	7.90

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56)		Dibenzofuran	1.572	1.591	1.601	1.649	1.601	1.603	1.77
57)		2,4-Dinitrotol...	0.340	0.373	0.394	0.428	0.428	0.393	9.54
58)		2,3,4,6-Tetrac...	0.290	0.301	0.324	0.340	0.342	0.319	7.20
59)		Diethylphthalate	1.224	1.250	1.261	1.308	1.306	1.270	2.88
60)	S	Fluorene-d10	1.121	1.119	1.116	1.156	1.147	1.132	1.62
61)		Fluorene	1.282	1.310	1.293	1.318	1.264	1.293	1.67
62)		4-Chlorophenyl...	0.652	0.660	0.654	0.676	0.646	0.657	1.76
63)		4-Nitroaniline		0.274	0.306	0.334	0.339	0.316	0.314	8.18
64)	I	Phenanthrene-d10	----------ISTD----------						
65)	S	4,6-Dinitro-2-...		0.082	0.100	0.120	0.124	0.120	0.109	16.35
66)		4,6-Dinitro-2-...		0.076	0.094	0.110	0.119	0.117	0.103	17.54
67)		N-Nitrosodiphe...	0.524	0.530	0.546	0.561	0.558	0.544	3.06
68)		4-Bromophenyl-...	0.185	0.193	0.196	0.200	0.199	0.195	3.19
69)		Hexachlorobenzene	0.221	0.227	0.224	0.229	0.233	0.227	2.04
70)		Atrazine		0.190	0.202	0.212	0.216	0.199	0.204	5.11
71)	C	Pentachlorophenol		0.083	0.105	0.123	0.134	0.133	0.116	18.68
72)		Phenanthrene	0.989	1.000	1.001	1.026	0.991	1.001	1.46
73)	S	Anthracene-d10	0.842	0.862	0.856	0.891	0.890	0.868	2.51
74)		Anthracene	1.008	1.026	1.029	1.051	1.032	1.029	1.49
75)		1,2,3,4-Tetrac...	0.276	0.277	0.276	0.290	0.293	0.282	2.94
76)		Pentachloroben...	0.281	0.272	0.273	0.285	0.285	0.279	2.24
77)		Carbazole		0.909	0.920	0.961	0.951	0.834	0.915	5.49
78)		Di-n-butylphth...	0.979	1.016	1.081	1.135	1.141	1.070	6.69
79)	I	Chrysene-d12	----------ISTD----------						
80)		Fluoranthene	1.132	1.147	1.140	1.205	1.205	1.166	3.09
81)	S	Pyrene-d10	0.921	0.931	0.925	0.999	0.966	0.948	3.52
82)		Pyrene	1.179	1.202	1.170	1.240	1.215	1.201	2.34
83)		Butylbenzylpht...	0.437	0.454	0.474	0.523	0.519	0.482	7.99
84)		3,3'-Dichlorob...		0.416	0.413	0.432	0.403	0.353	0.403	7.38
85)		Benzo(a)anthra...	1.163	1.196	1.172	1.254	1.202	1.197	2.94
86)		Bis(2-ethylhex...	0.650	0.671	0.690	0.769	0.736	0.703	6.93
87)		Chrysene	1.159	1.164	1.139	1.216	1.158	1.167	2.48
88)	I	Perylene-d12	----------ISTD----------						
89)		Di-n-octyl pht...		1.148	1.187	1.269	1.285	1.138	1.205	5.65
90)		Benzo(b)fluora...	1.148	1.187	1.149	1.197	1.237	1.184	3.13
91)		Benzo(k)fluora...	1.048	1.075	1.096	1.148	1.071	1.088	3.47
92)	S	Benzo(a)pyrene...	0.961	0.957	0.954	1.012	1.013	0.979	3.10
93)	C	Benzo(a)pyrene	1.127	1.134	1.117	1.181	1.160	1.144	2.29
94)		Indeno(1,2,3-c...	1.240	1.256	1.281	1.341	1.322	1.288	3.32
95)		Dibenzo(a,h)an...	1.065	1.101	1.101	1.160	1.117	1.109	3.10
96)		Benzo(g,h,i)pe...	1.048	1.066	1.079	1.142	1.124	1.092	3.64

(#) = Out of Range