

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF122921.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Dec 30 04:30:49 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF126399.D 10 =BF126400.D 20 =BF126401.D 40 =BF126402.D 50 =BF126403.D 60 =BF126404.D 80 =BF126405.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.691	0.711	0.801	0.738	0.718	0.646	0.583	0.698	9.93
3)	Pyridine	1.710	1.915	2.126	1.970	1.940	1.837	1.688	1.884	8.13
4)	n-Nitrosodimet...	0.751	0.795	0.844	0.787	0.790	0.763	0.692	0.775	6.04
5) S	2-Fluorophenol	1.557	1.619	1.655	1.400	1.354	1.165	0.999	1.393	17.48
6)	Aniline	2.411	2.490	2.589	2.284	2.223	1.998	1.705	2.243	13.63
7) S	Phenol-d6	2.042	2.086	2.096	1.796	1.745	1.539	1.322	1.804	16.44
8)	2-Chlorophenol	1.531	1.588	1.655	1.410	1.374	1.172	0.992	1.389	17.04
9)	Benzaldehyde	1.333	1.338	1.318	1.061	1.040	0.938	0.790	1.117	19.48
10) C	Phenol	2.308	2.359	2.387	2.040	1.976	1.643	1.378	2.013	19.13
11)	bis(2-Chloroet...	1.690	1.687	1.773	1.542	1.522	1.362	1.183	1.537	13.49
12)	1,3-Dichlorobe...	1.564	1.561	1.628	1.402	1.357	1.180	1.023	1.388	16.00
13) C	1,4-Dichlorobe...	1.571	1.578	1.631	1.405	1.349	1.168	0.996	1.385	16.99
14)	1,2-Dichlorobe...	1.505	1.506	1.519	1.284	1.246	1.039		1.350	14.41
15)	Benzyl Alcohol	1.371	1.443	1.494	1.289	1.258	1.077	0.902	1.262	16.58
16)	2,2'-oxybis(1-...	2.590	2.581	2.742	2.440	2.411	2.219	1.915	2.414	11.39
17)	2-Methylphenol	1.327	1.345	1.388	1.230	1.193	1.107	0.962	1.222	12.30
18)	Hexachloroethane	0.587	0.602	0.651	0.571	0.549	0.483	0.421	0.552	13.99
19) P	n-Nitroso-di-n...	1.144	1.166	1.166	0.989	0.973	0.934	0.833	1.029	12.71
20)	3+4-Methylphenols		1.768	1.707	1.377	1.309	1.112		1.455	19.03
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.547	0.532	0.530	0.453	0.432	0.393	0.348	0.462	16.66
23) S	Nitrobenzene-d5	0.413	0.418	0.436	0.397	0.394	0.354	0.315	0.390	10.76
24)	Nitrobenzene	0.404	0.413	0.437	0.406	0.406	0.353	0.310	0.390	11.08
25)	Isophorone	0.712	0.704	0.759	0.695	0.694	0.678	0.640	0.697	5.17
26) C	2-Nitrophenol	0.165	0.173	0.193	0.181	0.178	0.167	0.153	0.173	7.33
27)	2,4-Dimethylph...	0.282	0.284	0.302	0.279	0.270	0.249	0.224	0.270	9.50
28)	bis(2-Chloroet...	0.487	0.485	0.510	0.461	0.455	0.418	0.372	0.456	10.35
29) C	2,4-Dichloroph...	0.259	0.262	0.282	0.247	0.249	0.226	0.202	0.247	10.57
30)	1,2,4-Trichlor...	0.278	0.285	0.297	0.260	0.253	0.227	0.201	0.257	13.21
31)	Naphthalene	1.085	1.063	1.094	0.946	0.920	0.800	0.701	0.944	16.02
32)	Benzoic acid		0.102	0.153	0.175	0.194	0.202	0.214	0.173	23.77
33)	4-Chloroaniline	0.425	0.428	0.455	0.400	0.398	0.352	0.309	0.395	12.61
34) C	Hexachlorobuta...	0.136	0.136	0.143	0.126	0.124	0.111	0.098	0.125	12.67
35)	Caprolactam	0.057	0.060	0.067	0.061	0.065	0.063	0.067	0.063	5.64
36) C	4-Chloro-3-met...	0.316	0.313	0.339	0.306	0.303	0.278	0.252	0.301	9.33
37)	2-Methylnaphth...	0.633	0.622	0.645	0.564	0.543	0.474	0.418	0.557	15.39
38)	1-Methylnaphth...	0.615	0.609	0.627	0.536	0.525	0.455	0.402	0.538	15.97

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.487	0.488	0.504	0.443	0.425	0.370	0.325	0.435	15.38
41) P	Hexachlorocycl...	0.124	0.147	0.197	0.200	0.196	0.196	0.178	0.177	16.99
42) S	2,4,6-Tribromo...	0.159	0.154	0.173	0.161	0.156	0.145	0.135	0.155	7.86
43) C	2,4,6-Trichlor...	0.332	0.341	0.367	0.336	0.324	0.289	0.261	0.321	10.96
44)	2,4,5-Trichlor...	0.362	0.368	0.393	0.354	0.344	0.314	0.285	0.346	10.38
45) S	2-Fluorobiphenyl	1.362	1.297	1.242	1.055	1.008	0.856		1.137	17.14
46)	1,1'-Biphenyl	1.717	1.659	1.696	1.504	1.417	1.211	1.064	1.467	17.24
47)	2-Chloronaphth...	1.274	1.241	1.264	1.143	1.092	0.944	0.819	1.111	15.66
48)	2-Nitroaniline	0.440	0.455	0.497	0.472	0.464	0.426	0.387	0.449	7.92
49)	Acenaphthylene	1.922	1.896	1.952	1.722	1.690	1.407	1.206	1.685	16.79
50)	Dimethylphthalate	1.383	1.352	1.400	1.267	1.226	1.104	1.006	1.249	11.89
51)	2,6-Dinitrotol...	0.281	0.278	0.302	0.280	0.275	0.248	0.223	0.270	9.56
52) C	Acenaphthene	1.234	1.210	1.253	1.142	1.093	0.948	0.854	1.105	13.77
53)	3-Nitroaniline	0.377	0.378	0.416	0.382	0.376	0.346	0.313	0.370	8.74
54) P	2,4-Dinitrophenol		0.072	0.117	0.131	0.139	0.139	0.135	0.122	21.24
55)	Dibenzofuran	1.764	1.710	1.708	1.537	1.461	1.224	1.050	1.493	18.09
56) P	4-Nitrophenol	0.218	0.244	0.293	0.285	0.289	0.265	0.247	0.263	10.59
57)	2,4-Dinitrotol...	0.349	0.360	0.402	0.372	0.370	0.315	0.268	0.348	12.67
58)	Fluorene	1.312	1.249	1.185	1.052	1.004	0.847	0.742	1.056	19.87
59)	2,3,4,6-Tetrac...	0.261	0.260	0.278	0.259	0.253	0.228	0.201	0.248	10.38
60)	Diethylphthalate	1.381	1.303	1.366	1.237	1.193	1.027	0.915	1.203	14.52
61)	4-Chlorophenyl...	0.555	0.544	0.524	0.462	0.438	0.374	0.329	0.461	18.82
62)	4-Nitroaniline	0.352	0.349	0.381	0.358	0.359	0.334	0.304	0.348	6.90
63)	Azobenzene	1.761	1.668	1.769	1.610	1.560	1.329	1.153	1.550	14.82
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.071	0.089	0.122	0.122	0.123	0.120	0.111	0.108	18.76
66) c	n-Nitrosodiphe...	0.705	0.682	0.712	0.623	0.600	0.541	0.481	0.621	14.03
67)	4-Bromophenyl-...	0.190	0.186	0.207	0.182	0.171	0.159	0.146	0.178	11.40
68)	Hexachlorobenzene	0.226	0.217	0.234	0.209	0.205	0.186	0.169	0.206	10.92
69)	Atrazine	0.125	0.119	0.127	0.116	0.098	0.090	0.074	0.107	18.60
70) C	Pentachlorophenol		0.074	0.107	0.110	0.109	0.104	0.097	0.100	13.53
71)	Phenanthrene	1.195	1.165	1.185	1.024	0.978	0.865	0.745	1.022	16.97
72)	Anthracene	1.181	1.143	1.194	1.022	0.994	0.868	0.760	1.023	16.09
73)	Carbazole	1.170	1.121	1.158	0.999	0.984	0.844	0.738	1.002	16.39
74)	Di-n-butylphth...	1.302	1.247	1.342	1.162	1.125	0.968	0.839	1.141	15.99
75) C	Fluoranthene	1.090	1.047	1.092	0.937	0.910	0.781	0.676	0.933	17.10
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.572	0.412	0.409	0.354	0.319			0.413	23.42
78)	Pyrene	1.676	1.773	1.865	1.757	1.798	1.578	1.383	1.690	9.69
79) S	Terphenyl-d14	1.095	1.118	1.149	1.038	1.052	0.934	0.818	1.029	11.28
80)	Butylbenzylpht...	0.718	0.745	0.833	0.794	0.807	0.715	0.631	0.749	9.20
81)	Benzo(a)anthra...	1.219	1.273	1.281	1.185	1.163	1.019	0.912	1.150	11.88
82)	3,3'-Dichlorob...	0.571	0.584	0.622	0.540	0.534	0.479	0.426	0.537	12.35
83)	Chrysene	1.251	1.254	1.312	1.207	1.196	1.077	0.960	1.180	10.29
84)	Bis(2-ethylhex...	0.842	0.792	0.893	0.795	0.773	0.703	0.634	0.776	11.05
85) c	Di-n-octyl pht...	1.281	1.205	1.517	1.421	1.346	1.374	1.279	1.346	7.68

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86)	I	Perylene-d12									
87)		Indeno(1,2,3-c...	1.176	1.219	1.465	1.421	1.523	1.360	1.205	1.338	10.38
88)		Benzo(b)fluora...	1.288	1.283	1.294	1.168	1.247	1.110	0.950	1.191	10.67
89)		Benzo(k)fluora...	1.258	1.277	1.330	1.248	1.117	0.930	0.919	1.154	14.69
90)	C	Benzo(a)pyrene	0.989	1.020	1.097	1.036	1.052	0.943	0.855	0.999	7.98
91)		Dibenzo(a,h)an...	1.002	1.004	1.186	1.144	1.228	1.061	0.934	1.080	10.05
92)		Benzo(g,h,i)pe...	0.964	1.034	1.242	1.220	1.351	1.196	1.044	1.150	12.04

(#) = Out of Range