

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF120818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 10 01:15:27 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF111222.D 10 =BF111223.D 25 =BF111224.D 40 =BF111225.D 50 =BF111226.D 60 =BF111227.D 80 =BF111228.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.674	0.700	0.651	0.633	0.672	0.628	0.592	0.650	5.49
3)	Pyridine	1.709	1.826	1.691	1.691	1.805	1.722	1.642	1.726	3.81
4)	n-Nitrosodimet...	0.691	0.753	0.725	0.723	0.799	0.736	0.725	0.736	4.51
5) S	2-Fluorophenol	1.470	1.460	1.254	1.246	1.210	1.149	1.076	1.267	11.73
6)	Aniline	2.109	2.312	2.057	2.123	2.096	2.057	1.936	2.099	5.37
7) S	Phenol-d6	1.734	1.716	1.637	1.581	1.505	1.470	1.374	1.574	8.42
8)	2-Chlorophenol	1.576	1.578	1.496	1.438	1.381	1.349	1.259	1.440	8.28
9)	Benzaldehyde	1.277	1.251	1.037	0.927	0.844	0.803	0.699	0.977	22.75
10) C	Phenol	2.076	2.022	1.896	1.835	1.741	1.709	1.604	1.840	9.26
11)	bis(2-Chloroet...	1.579	1.521	1.367	1.435	1.386	1.382	1.294	1.423	6.85
12)	1,3-Dichlorobe...	1.738	1.652	1.614	1.518	1.520	1.433	1.353	1.547	8.53
13) C	1,4-Dichlorobe...	1.766	1.692	1.632	1.554	1.503	1.441	1.346	1.562	9.35
14)	1,2-Dichlorobe...	1.632	1.777	1.521	1.417	1.373	1.290	1.188	1.457	13.90
15)	Benzyl Alcohol	1.315	1.451	1.272	1.228	1.202	1.162	1.088	1.246	9.38
16)	2,2'-oxybis(1-...	2.671	3.134	2.615	2.670	2.634	2.557	2.375	2.665	8.65
17)	2-Methylphenol	1.151	1.356	1.126	1.185	1.163	1.145	1.101	1.175	7.13
18)	Hexachloroethane	0.609	0.683	0.609	0.589	0.581	0.565	0.528	0.595	8.03
19) P	n-Nitroso-di-n...	1.139	1.238	1.010	1.022	0.999	1.011	0.963	1.054	9.26
20)	3+4-Methylphenols	1.609	1.734	1.393	1.350	1.302	1.254	1.143	1.398	14.74
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.510	0.528	0.481	0.446	0.436	0.412	0.391	0.458	11.04
23) S	Nitrobenzene-d5	0.372	0.386	0.396	0.353	0.339	0.333	0.318	0.357	8.11
24)	Nitrobenzene	0.381	0.396	0.417	0.375	0.346	0.355	0.327	0.371	8.29
25)	Isophorone	0.602	0.647	0.653	0.603	0.574	0.596	0.575	0.607	5.23
26) C	2-Nitrophenol	0.159	0.192	0.197	0.193	0.186	0.185	0.179	0.184	6.91
27)	2,4-Dimethylph...	0.300	0.311	0.309	0.283	0.267	0.267	0.258	0.285	7.70
28)	bis(2-Chloroet...	0.461	0.464	0.439	0.414	0.399	0.395	0.373	0.421	8.28
29) C	2,4-Dichloroph...	0.307	0.313	0.315	0.285	0.286	0.273	0.260	0.291	7.25
30)	1,2,4-Trichlor...	0.318	0.313	0.291	0.287	0.277	0.269	0.255	0.287	7.98
31)	Naphthalene		1.065	0.968	0.884	0.834	0.781	0.706	0.873	14.84
32)	Benzoic acid	0.172	0.240	0.265	0.258	0.241	0.233	0.241	0.236	12.77
33)	4-Chloroaniline	0.459	0.453	0.420	0.415	0.396	0.400	0.391	0.419	6.52
34) C	Hexachlorobuta...	0.174	0.169	0.172	0.156	0.154	0.147	0.137	0.158	8.65
35)	Caprolactam	0.112	0.099	0.105	0.103	0.100	0.102	0.100	0.103	4.47
36) C	4-Chloro-3-met...	0.339	0.280	0.314	0.302	0.288	0.290	0.275	0.298	7.50
37)	2-Methylnaphth...	0.702	0.577	0.636	0.578	0.555	0.526	0.483	0.580	12.39

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38)	1-Methylnaphth...	0.682	0.606	0.633	0.556	0.528	0.506	0.462	0.568	13.56
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.645	0.669	0.575	0.526	0.541	0.490	0.449	0.557	14.30
41) P	Hexachlorocycl...	0.313	0.357	0.325	0.315	0.329	0.299	0.280	0.317	7.70
42) S	2,4,6-Tribromo...	0.206	0.196	0.198	0.173	0.165	0.157	0.144	0.177	13.17
43) C	2,4,6-Trichlor...	0.442	0.465	0.449	0.410	0.408	0.390	0.361	0.418	8.70
44)	2,4,5-Trichlor...	0.453	0.513	0.470	0.425	0.409	0.402	0.374	0.435	10.77
45) S	2-Fluorobiphenyl	1.627	1.742	1.406	1.133	1.113	0.971	0.884	1.268	25.97
46)	1,1'-Biphenyl	2.027	2.066	1.856	1.593	1.557	1.399	1.269	1.681	18.35
47)	2-Chloronaphth...	1.495	1.574	1.381	1.244	1.250	1.153	1.064	1.309	14.02
48)	2-Nitroaniline	0.418	0.521	0.439	0.447	0.448	0.436	0.416	0.446	7.92
49)	Acenaphthylene		2.302	2.025	1.804	1.761	1.607		1.900	14.22
50)	Dimethylphthalate	1.593	1.816	1.481	1.360	1.339	1.265		1.476	13.76
51)	2,6-Dinitrotol...	0.313	0.355	0.334	0.328	0.331	0.318	0.301	0.326	5.29
52) C	Acenaphthene	1.387	1.352	1.259	1.161	1.133	1.074	0.979	1.192	12.44
53)	3-Nitroaniline	0.380	0.433	0.434	0.407	0.397	0.393	0.371	0.402	6.08
54) P	2,4-Dinitrophenol		0.103	0.123	0.132	0.142	0.139	0.133	0.129	10.88
55)	Dibenzofuran		1.907	1.808	1.634	1.638	1.452	1.293	1.622	13.88
56) P	4-Nitrophenol	0.288	0.318	0.341	0.324	0.311	0.314	0.298	0.313	5.47
57)	2,4-Dinitrotol...	0.361	0.399	0.426	0.421	0.412	0.409	0.383	0.402	5.75
58)	Fluorene	1.501	1.384	1.358	1.124	1.158	1.005		1.255	14.98
59)	2,3,4,6-Tetrac...	0.370	0.350	0.337	0.328	0.340	0.306	0.278	0.330	9.07
60)	Diethylphthalate		1.746	1.528	1.384	1.375	1.255	1.154	1.407	14.84
61)	4-Chlorophenyl...	0.710	0.691	0.680	0.564	0.580	0.513		0.623	13.04
62)	4-Nitroaniline	0.369	0.368	0.411	0.386	0.394	0.372	0.364	0.381	4.48
63)	Azobenzene	1.703	1.560	1.665	1.426	1.397	1.297	1.176	1.461	13.22
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.073	0.078	0.128	0.119	0.119	0.121	0.117	0.108	20.66
66) c	n-Nitrosodiphe...	0.811	0.593	0.809	0.681	0.659	0.628	0.584	0.681	13.91
67)	4-Bromophenyl-...	0.249	0.219	0.250	0.216	0.207	0.205	0.188	0.219	10.50
68)	Hexachlorobenzene	0.247	0.227	0.253	0.221	0.212	0.207	0.193	0.223	9.65
69)	Atrazine	0.251	0.232	0.221	0.204	0.192	0.184	0.165	0.207	14.32
70) C	Pentachlorophenol	0.158	0.170	0.175	0.165	0.163	0.155	0.145	0.162	6.11
71)	Phenanthrene		1.196	1.104	0.965	0.927	0.852		1.009	13.79
72)	Anthracene	1.244	1.195	1.115	0.978	0.937	0.863		1.055	14.41
73)	Carbazole	1.277	1.261	1.184	1.025	0.957	0.917		1.104	14.24
74)	Di-n-butylphth...	1.139	1.453	1.323	1.168	0.964	0.988	0.905	1.134	17.69
75) C	Fluoranthene	0.951	1.020	1.094	0.978	0.789	0.848	0.770	0.922	13.27
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.569	0.535	0.709	0.623	0.606	0.583	0.532	0.594	10.26
78)	Pyrene	1.239	1.188	1.579	1.445	1.747	1.446	1.360	1.429	13.49
79) S	Terphenyl-d14	0.825	0.758	0.931	0.820	0.987	0.778	0.737	0.834	11.11
80)	Butylbenzylphth...	0.682	0.577	0.845	0.749	0.894	0.758	0.719	0.747	13.96
81)	Benzo(a)anthra...	1.230	1.222	1.173	1.100	1.085	1.021	0.979	1.116	8.70
82)	3,3'-Dichlorob...	0.531	0.479	0.501	0.467	0.428	0.416	0.378	0.457	11.52

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83)	Chrysene	1.277	1.162	1.239	1.151	1.128	1.084	1.011	1.150	7.80
84)	Bis(2-ethylhex...	0.944	0.940	0.920	0.876	0.896	0.838	0.796	0.887	6.19
85) c	Di-n-octyl pht...	1.687	1.580	1.483	1.507	1.463	1.394	1.294	1.487	8.50
86)	Indeno(1,2,3-c...	0.780	1.020	0.818	0.934	0.956	0.990	1.002	0.929	10.10
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.252	1.224	1.095	1.162	0.905	1.050	1.054	1.106	10.76
89)	Benzo(k)fluora...	1.141	1.161	1.119	1.059	0.870	1.042	0.887	1.040	11.38
90) C	Benzo(a)pyrene	1.133	1.128	1.016	1.041	0.859	1.008	0.944	1.019	9.54
91)	Dibenzo(a,h)an...	0.680	0.894	0.690	0.872	0.737	0.885	0.841	0.800	11.81
92)	Benzo(g,h,i)pe...	0.640	0.848	0.664	0.879	0.750	0.922	0.903	0.801	14.47

(#) = Out of Range