

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF010719.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 07 14:33:51 2019
 Response Via : Initial Calibration

Calibration Files

2.5 =BF111868.D 10 =BF111869.D 25 =BF111870.D 40 =BF111871.D 50 =BF111872.D 60 =BF111875.D 80 =BF111874.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.633	0.524	0.522	0.492	0.477	0.471	0.459	0.511	11.55
3)	Pyridine	1.286	1.404	1.402	1.367	1.271	1.298	1.247	1.325	4.88
4)	n-Nitrosodimet...	0.700	0.674	0.688	0.654	0.634	0.643	0.621	0.659	4.40
5) S	2-Fluorophenol	1.335	1.290	1.268	1.172	1.066	1.060	0.992	1.169	11.36
6)	Aniline	2.201	1.853	2.041	1.702	1.708	1.685	1.563	1.822	12.40
7) S	Phenol-d6	1.765	1.698	1.645	1.396	1.390	1.367	1.285	1.507	12.63
8)	2-Chlorophenol	1.445	1.305	1.483	1.232	1.239	1.234	1.149	1.298	9.44
9)	Benzaldehyde	1.250	1.143	1.036	0.793	0.752	0.681	0.942		24.69
10) C	Phenol	1.923	1.727	1.804	1.523	1.532	1.517	1.437	1.638	11.05
11)	bis(2-Chloroet...	1.486	1.226	1.427	1.200	1.192	1.194	1.143	1.267	10.50
12)	1,3-Dichlorobe...	1.645	1.561	1.678	1.419	1.460	1.429	1.342	1.505	8.33
13) C	1,4-Dichlorobe...	1.698	1.664	1.634	1.446	1.454	1.441	1.353	1.527	8.82
14)	1,2-Dichlorobe...	1.564	1.689	1.645	1.361	1.384	1.328	1.248	1.460	11.71
15)	Benzyl Alcohol	1.221	1.302	1.348	1.127	1.164	1.133	1.049	1.192	8.80
16)	2,2'-oxybis(1-...	2.365	2.459	2.432	2.025	2.024	1.971	1.844	2.160	11.62
17)	2-Methylphenol	1.090	1.182	1.178	0.978	0.981	0.973	0.921	1.043	10.19
18)	Hexachloroethane	0.573	0.595	0.525	0.512	0.524	0.511	0.494	0.533	6.84
19) P	n-Nitroso-di-n...	1.072	1.119	0.975	0.929	0.941	0.937	0.880	0.979	8.72
20)	3+4-Methylphenols	1.419	1.574	1.334	1.229	1.237	1.202	1.094	1.298	12.23
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.536	0.539	0.565	0.473	0.484	0.483	0.467	0.506	7.67
23) S	Nitrobenzene-d5	0.376	0.387	0.411	0.355	0.369	0.363	0.358	0.374	5.28
24)	Nitrobenzene	0.377	0.388	0.419	0.359	0.372	0.369	0.366	0.379	5.30
25)	Isophorone	0.617	0.629	0.651	0.570	0.596	0.588	0.591	0.606	4.54
26) C	2-Nitrophenol	0.171	0.189	0.205	0.181	0.190	0.184	0.185	0.186	5.60
27)	2,4-Dimethylph...	0.277	0.274	0.297	0.257	0.266	0.262	0.253	0.269	5.48
28)	bis(2-Chloroet...	0.415	0.425	0.437	0.385	0.396	0.392	0.382	0.404	5.26
29) C	2,4-Dichloroph...	0.318	0.324	0.335	0.297	0.304	0.300	0.292	0.310	5.02
30)	1,2,4-Trichlor...	0.370	0.337	0.364	0.327	0.338	0.330	0.327	0.342	5.23
31)	Naphthalene	1.037	1.024	0.983	0.906	0.926	0.908	0.861	0.949	6.98
32)	Benzoic acid		0.151	0.195	0.155	0.187	0.183	0.179	0.175	10.37
33)	4-Chloroaniline	0.430	0.456	0.427	0.394	0.402	0.393	0.370	0.410	7.05
34) C	Hexachlorobuta...	0.237	0.207	0.220	0.204	0.213	0.207	0.202	0.213	5.83
35)	Caprolactam	0.105	0.108	0.095	0.098	0.102	0.101	0.100	0.101	4.50
36) C	4-Chloro-3-met...	0.352	0.341	0.267	0.294	0.307	0.301	0.294	0.308	9.49
37)	2-Methylnaphth...		0.600	0.533	0.606	0.613	0.601	0.576	0.588	5.08

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38)	1-Methylnaphth...	0.576	0.524	0.572	0.586	0.576	0.552	0.564	4.02	
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.673	0.698	0.557	0.629	0.650	0.640	0.615	0.638	7.07
41) P	Hexachlorocycl...	0.344	0.314	0.371	0.395	0.395	0.393	0.369	9.06	
42) S	2,4,6-Tribromo...	0.279	0.276	0.286	0.246	0.251	0.246	0.236	0.260	7.61
43) C	2,4,6-Trichlor...	0.406	0.452	0.446	0.417	0.441	0.440	0.425	0.432	3.88
44)	2,4,5-Trichlor...	0.442	0.469	0.469	0.439	0.457	0.457	0.438	0.453	2.94
45) S	2-Fluorobiphenyl	1.546	1.554	1.444	1.273	1.321	1.269	1.194	1.372	10.43
46)	1,1'-Biphenyl	1.845	1.785	1.695	1.589	1.646	1.611	1.540	1.673	6.54
47)	2-Chloronaphth...	1.434	1.383	1.304	1.246	1.306	1.289	1.229	1.313	5.54
48)	2-Nitroaniline	0.393	0.409	0.403	0.387	0.411	0.409	0.397	0.401	2.29
49)	Acenaphthylene	2.154	2.034	2.029	1.826	1.905	1.865	1.776	1.941	6.96
50)	Dimethylphthalate	1.630	1.583	1.520	1.400	1.475	1.481	1.428	1.502	5.44
51)	2,6-Dinitrotol...	0.330	0.348	0.353	0.321	0.339	0.339	0.321	0.336	3.68
52) C	Acenaphthene	1.380	1.302	1.301	1.179	1.224	1.212	1.161	1.251	6.29
53)	3-Nitroaniline	0.361	0.373	0.373	0.341	0.360	0.363	0.347	0.360	3.41
54) P	2,4-Dinitrophenol	0.112	0.137	0.140	0.151	0.156	0.158	0.142	11.90	
55)	Dibenzofuran	2.088	1.938	1.866	1.708	1.770	1.739	1.631	1.820	8.55
56) P	4-Nitrophenol	0.230	0.251	0.262	0.247	0.262	0.269	0.258	0.254	5.14
57)	2,4-Dinitrotol...	0.420	0.441	0.446	0.420	0.446	0.442	0.425	0.434	2.80
58)	Fluorene	1.555	1.457	1.277	1.243	1.295	1.253	1.189	1.324	9.93
59)	2,3,4,6-Tetrac...	0.384	0.394	0.394	0.367	0.388	0.378	0.368	0.382	3.03
60)	Diethylphthalate	1.635	1.552	1.471	1.360	1.409	1.410	1.341	1.454	7.33
61)	4-Chlorophenyl...	0.876	0.818	0.740	0.694	0.717	0.695	0.659	0.743	10.41
62)	4-Nitroaniline	0.344	0.347	0.327	0.336	0.350	0.350	0.335	0.341	2.58
63)	Azobenzene	1.588	1.466	1.260	1.333	1.383	1.368	1.325	1.389	7.77
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.110	0.134	0.117	0.127	0.128	0.125	0.123	6.93	
66) c	n-Nitrosodiphe...	0.740	0.707	0.702	0.627	0.668	0.644	0.610	0.671	7.03
67)	4-Bromophenyl-...	0.271	0.264	0.304	0.241	0.251	0.245	0.237	0.259	8.98
68)	Hexachlorobenzene	0.308	0.290	0.332	0.266	0.281	0.271	0.261	0.287	8.88
69)	Atrazine	0.248	0.252	0.274	0.216	0.230	0.220	0.210	0.236	9.82
70) C	Pentachlorophenol	0.140	0.178	0.159	0.171	0.168	0.164	0.163	8.10	
71)	Phenanthrene	1.219	1.137	1.187	0.985	1.022	0.996	0.939	1.069	10.30
72)	Anthracene	1.201	1.172	1.234	1.002	1.037	1.010	0.943	1.085	10.51
73)	Carbazole	1.166	1.185	1.208	0.949	0.993	0.977	0.914	1.056	11.84
74)	Di-n-butylphth...	1.302	1.502	1.393	1.092	1.135	1.121	1.040	1.226	14.18
75) C	Fluoranthene	1.224	1.198	1.273	1.003	1.018	1.029	0.937	1.098	11.91
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.722	0.614	0.539	0.607	0.507	0.598	13.90		
78)	Pyrene	1.410	1.373	1.395	1.296	1.418	1.324	1.416	1.376	3.51
79) S	Terphenyl-d14	1.202	1.115	1.073	0.963	1.041	0.975	1.006	1.054	8.04
80)	Butylbenzylphth...	0.558	0.572	0.593	0.556	0.606	0.591	0.597	0.582	3.36
81)	Benzo(a)anthra...	1.273	1.201	1.175	1.076	1.116	1.123	1.093	1.151	6.04
82)	3,3'-Dichlorob...	0.486	0.471	0.467	0.401	0.403	0.390	0.356	0.425	11.67

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83)	Chrysene	1.222	1.143	1.135	1.034	1.064	1.054	1.029	1.097	6.52
84)	Bis(2-ethylhex...	0.762	0.760	0.788	0.723	0.770	0.795	0.751	0.764	3.11
85) c	Di-n-octyl pht...	1.083	1.127	1.138	1.011	1.047	1.182	1.066	1.093	5.38
86)	Indeno(1,2,3-c...	0.823	0.738	0.760	0.733	0.764	0.805	0.978	0.800	10.63
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.292	1.232	1.296	1.139	1.154	1.136	1.126	1.196	6.30
89)	Benzo(k)fluora...	1.167	1.167	1.124	1.092	1.160	1.131	1.032	1.125	4.38
90) C	Benzo(a)pyrene	1.109	1.069	1.084	1.005	1.045	1.029	1.022	1.052	3.54
91)	Dibenzo(a,h)an...	0.775	0.758	0.847	0.837	0.868	0.867	0.969	0.846	8.19
92)	Benzo(g,h,i)pe...	0.756	0.728	0.832	0.834	0.813	0.842	0.988	0.828	10.04

(#) = Out of Range