

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF070220.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

5 =BF120758.D 10 =BF120759.D 20 =BF120760.D 40 =BF120761.D 50 =BF120762.D 60 =BF120763.D 80 =BF120764.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.654	0.602	0.623	0.582	0.564	0.553	0.564	0.592	6.20
3)	Pyridine	1.702	1.669	1.734	1.625	1.572	1.517	1.528	1.621	5.25
4)	n-Nitrosodimet...	0.873	0.821	0.857	0.800	0.790	0.765	0.770	0.811	5.13
5) S	2-Fluorophenol	1.384	1.366	1.411	1.298	1.246	1.209	1.155	1.296	7.45
6)	Aniline	2.217	2.215	2.297	2.119	2.067	1.982	1.977	2.125	5.83
7) S	Phenol-d6	1.833	1.759	1.796	1.641	1.575	1.518	1.459	1.655	8.77
8)	2-Chlorophenol	1.453	1.411	1.484	1.403	1.346	1.297	1.261	1.379	5.91
9)	Benzaldehyde	0.956	1.154	1.101	0.887	0.822			0.984	14.27
10) C	Phenol	1.823	1.776	1.859	1.683	1.635	1.546	1.593	1.702	7.04
11)	bis(2-Chloroet...	1.476	1.441	1.501	1.370	1.357	1.285	1.264	1.385	6.64
12)	1,3-Dichlorobe...	1.628	1.598	1.636	1.523	1.474	1.410	1.360	1.518	7.16
13) C	1,4-Dichlorobe...	1.661	1.597	1.666	1.508	1.466	1.391	1.357	1.521	8.21
14)	1,2-Dichlorobe...	1.608	1.547	1.580	1.449	1.387	1.329	1.229	1.447	9.73
15)	Benzyl Alcohol	1.376	1.340	1.363	1.245	1.194	1.133	1.051	1.243	10.00
16)	2,2'-oxybis(1-...	2.359	2.297	2.340	2.150	2.072	1.980	1.925	2.160	8.15
17)	2-Methylphenol	1.319	1.287	1.331	1.222	1.210	1.152	1.117	1.234	6.67
18)	Hexachloroethane	0.597	0.586	0.620	0.573	0.562	0.542	0.521	0.572	5.84
19) P	n-Nitroso-di-n...	1.128	1.079	1.097	0.973	0.944	0.889	0.862	0.996	10.62
20)	3+4-Methylphenols	1.747	1.679	1.724	1.540	1.423	1.341	1.185	1.520	14.03
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.557	0.524	0.547	0.498	0.474	0.453	0.427	0.497	9.79
23) S	Nitrobenzene-d5	0.309	0.317	0.363	0.359	0.362	0.350	0.357	0.345	6.50
24)	Nitrobenzene	0.363	0.372	0.407	0.400	0.396	0.384	0.392	0.388	4.05
25)	Isophorone	0.781	0.747	0.783	0.737	0.736	0.711	0.716	0.744	3.83
26) C	2-Nitrophenol	0.095	0.107	0.139	0.153	0.164	0.161	0.174	0.142	21.05
27)	2,4-Dimethylph...	0.299	0.292	0.312	0.299	0.307	0.281	0.290	0.297	3.50
28)	bis(2-Chloroet...	0.458	0.444	0.463	0.440	0.437	0.421	0.422	0.441	3.70
29) C	2,4-Dichloroph...	0.296	0.288	0.306	0.300	0.302	0.290	0.294	0.297	2.24
30)	1,2,4-Trichlor...	0.333	0.325	0.352	0.338	0.335	0.325	0.325	0.333	2.95
31)	Naphthalene	1.150	1.091	1.148	1.065	1.041	1.000	0.986	1.069	6.13
32)	Benzoic acid	0.097	0.118	0.173	0.200	0.216			0.161	32.09
33)	4-Chloroaniline	0.468	0.454	0.481	0.452	0.448	0.435	0.437	0.454	3.65
34) C	Hexachlorobuta...	0.207	0.195	0.213	0.206	0.199	0.192	0.190	0.200	4.29
35)	Caprolactam	0.085	0.086	0.089	0.087	0.090	0.084	0.084	0.086	2.62
36) C	4-Chloro-3-met...	0.312	0.304	0.328	0.314	0.312	0.296	0.294	0.309	3.80
37)	2-Methylnaphth...	0.746	0.706	0.744	0.704	0.691	0.653	0.620	0.695	6.60
38)	1-Methylnaphth...	0.696	0.653	0.694	0.660	0.644	0.617	0.591	0.651	5.87

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.611	0.582	0.632	0.630	0.611	0.593	0.573	0.604	3.74	
41) P	Hexachlorocycl...	0.301	0.318	0.371	0.387	0.375	0.371	0.377	0.357	9.29	
42) S	2,4,6-Tribromo...	0.172	0.185	0.219	0.217	0.212	0.200	0.201	0.201	8.59	
43) C	2,4,6-Trichlor...	0.378	0.380	0.424	0.429	0.433	0.412	0.427	0.412	5.69	
44)	2,4,5-Trichlor...	0.403	0.425	0.482	0.478	0.482	0.462	0.466	0.457	6.75	
45) S	2-Fluorobiphenyl	1.524	1.445	1.504	1.345	1.193	1.133	1.109	1.322	13.37	
46)	1,1'-Biphenyl	1.685	1.623	1.723	1.667	1.581	1.516	1.499	1.613	5.28	
47)	2-Chloronaphth...	1.302	1.267	1.364	1.327	1.287	1.240	1.259	1.292	3.30	
48)	2-Nitroaniline	0.228	0.275	0.358	0.377	0.399	0.389	0.395	0.346	19.37	
49)	Acenaphthylene	2.106	2.044	2.160	2.033	2.005	1.923	1.913	2.026	4.44	
50)	Dimethylphthalate	1.516	1.445	1.549	1.479	1.460	1.393	1.371	1.459	4.35	
51)	2,6-Dinitrotol...	0.184	0.220	0.278	0.285	0.296	0.284	0.299	0.264	16.72	
52) C	Acenaphthene	1.295	1.230	1.342	1.284	1.237	1.205	1.206	1.257	4.08	
53)	3-Nitroaniline	0.237	0.276	0.341	0.345	0.366	0.350	0.365	0.326	15.18	
54) P	2,4-Dinitrophenol	0.040	0.066	0.086	0.106	0.107	0.118	0.087		33.75	
55)	Dibenzofuran	1.925	1.821	1.939	1.851	1.760	1.698	1.690	1.812	5.57	
56) P	4-Nitrophenol	0.166	0.200	0.249	0.260	0.272	0.259	0.268	0.239	16.86	
57)	2,4-Dinitrotol...	0.187	0.243	0.330	0.351	0.375	0.355	0.373	0.316	22.99	
58)	Fluorene	1.499	1.431	1.521	1.377	1.268	1.202	1.143	1.349	10.92	
59)	2,3,4,6-Tetrac...	0.310	0.319	0.352	0.353	0.361	0.340	0.346	0.340	5.59	
60)	Diethylphthalate	1.580	1.510	1.623	1.539	1.514	1.456	1.416	1.520	4.64	
61)	4-Chlorophenyl...	0.749	0.725	0.772	0.694	0.634	0.607	0.565	0.678	11.43	
62)	4-Nitroaniline	0.229	0.268	0.330	0.329	0.346	0.332	0.336	0.310	14.22	
63)	Azobenzene	1.703	1.603	1.686	1.553	1.502	1.429	1.407	1.555	7.53	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.023	0.035	0.058	0.072	0.084	0.084	0.094	0.064	41.77	
66) c	n-Nitrosodiphe...	0.682	0.646	0.705	0.687	0.661	0.639	0.672	0.670	3.47	
67)	4-Bromophenyl-...	0.220	0.216	0.240	0.241	0.238	0.228	0.240	0.232	4.45	
68)	Hexachlorobenzene	0.233	0.230	0.253	0.253	0.249	0.238	0.248	0.243	4.07	
69)	Atrazine	0.165	0.185	0.194	0.180	0.175	0.156	0.153	0.173	8.86	
70) C	Pentachlorophenol	0.102	0.117	0.143	0.148	0.155	0.145	0.153	0.138	14.64	
71)	Phenanthrene	1.136	1.083	1.154	1.098	1.078	1.024	1.023	1.085	4.64	
72)	Anthracene	1.142	1.093	1.176	1.121	1.087	1.021	1.035	1.097	5.07	
73)	Carbazole	1.103	1.054	1.120	1.065	1.046	0.980	1.009	1.054	4.63	
74)	Di-n-butylphth...	1.362	1.321	1.414	1.339	1.282	1.214	1.201	1.305	5.94	
75) C	Fluoranthene	1.192	1.154	1.253	1.169	1.163	1.076	1.085	1.156	5.28	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.532	0.636	0.611	0.569	0.538	0.501	0.565		9.03	
78)	Pyrene	1.564	1.481	1.636	1.619	1.614	1.593	1.674	1.597	3.85	
79) S	Terphenyl-d14	1.093	1.060	1.153	1.016	0.944	0.955	0.929	1.022	8.27	
80)	Butylbenzylphth...	0.605	0.618	0.706	0.718	0.717	0.714	0.749	0.690	7.96	
81)	Benzo(a)anthra...	1.332	1.306	1.424	1.316	1.215	1.192	1.189	1.282	6.83	
82)	3,3'-Dichlorob...	0.377	0.393	0.461	0.458	0.452	0.444	0.443	0.433	7.73	
83)	Chrysene	1.266	1.229	1.372	1.338	1.318	1.307	1.324	1.308	3.60	
84)	Bis(2-ethylhex...	0.954	0.934	1.016	0.927	0.841	0.840	0.818	0.904	8.07	
85) c	Di-n-octyl pht...	1.472	1.473	1.682	1.665	1.650	1.609	1.647	1.600	5.61	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.182	1.097	1.254	1.359	1.310	1.305	1.473	1.283		9.47
88)	Benzo(b)fluora...	1.258	1.225	1.296	1.409	1.330	1.294	1.391	1.315		5.09
89)	Benzo(k)fluora...	1.251	1.105	1.324	1.369	1.335	1.289	1.283	1.279		6.73
90) C	Benzo(a)pyrene	1.129	1.047	1.175	1.256	1.217	1.163	1.222	1.173		5.94
91)	Dibenzo(a,h)an...	0.960	0.907	1.058	1.142	1.098	1.098	1.221	1.069		9.98
92)	Benzo(g,h,i)pe...	0.896	0.848	0.959	1.030	0.986	0.987	1.135	0.977		9.49

(#) = Out of Range