

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF052919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF114632.D 20 =BF114633.D 40 =BF114634.D 50 =BF114635.D 60 =BF114636.D 80 =BF114637.D 100 =BF114638.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.554	0.560	0.565	0.544	0.539	0.533	0.531	0.547	2.45
3)	Pyridine	1.610	1.603	1.646	1.564	1.584	1.571	1.559	1.591	1.96
4)	n-Nitrosodimet...	0.610	0.655	0.669	0.644	0.642	0.641	0.645	0.644	2.81
5) S	2-Fluorophenol	1.292	1.262	1.176	1.108	1.084	1.038	1.014	1.139	9.48
6)	Aniline	2.326	2.278	2.177	2.032	1.974	1.895	1.833	2.073	9.19
7) S	Phenol-d6	1.590	1.532	1.435	1.347	1.301	1.229	1.176	1.373	11.18
8)	2-Chlorophenol	1.462	1.448	1.381	1.304	1.262	1.207	1.144	1.316	9.19
9)	Benzaldehyde	1.118	1.021	0.810	0.702	0.651	0.622	0.559	0.783	27.07
10) C	Phenol	1.907	1.889	1.745	1.608	1.542	1.488	1.431	1.658	11.53
11)	bis(2-Chloroet...	1.399	1.362	1.326	1.253	1.234	1.172	1.133	1.268	7.76
12)	1,3-Dichlorobe...	1.695	1.658	1.567	1.478	1.428	1.363	1.302	1.499	9.86
13) C	1,4-Dichlorobe...	1.708	1.672	1.573	1.479	1.444	1.353	1.295	1.504	10.35
14)	1,2-Dichlorobe...	1.636	1.573	1.454	1.347	1.280	1.180	1.112	1.369	14.30
15)	Benzyl Alcohol	1.252	1.233	1.143	1.071	1.026	0.950	0.883	1.080	12.85
16)	2,2'-oxybis(1-...	2.115	2.125	2.044	1.934	1.890	1.796	1.714	1.945	8.12
17)	2-Methylphenol	1.189	1.176	1.148	1.094	1.079	1.058	1.045	1.113	5.22
18)	Hexachloroethane	0.615	0.614	0.597	0.567	0.552	0.525	0.515	0.569	7.19
19) P	n-Nitroso-di-n...	1.036	1.008	0.980	0.928	0.917	0.889	0.873	0.948	6.51
20)	3+4-Methylphenols	1.530	1.439	1.282	1.173	1.119			1.309	13.29
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.510	0.481	0.438	0.405	0.398	0.382	0.368	0.426	12.40
23) S	Nitrobenzene-d5	0.342	0.346	0.333	0.318	0.311	0.301	0.293	0.321	6.39
24)	Nitrobenzene	0.371	0.367	0.359	0.338	0.334	0.314	0.301	0.341	7.86
25)	Isophorone	0.692	0.680	0.655	0.628	0.625	0.612	0.612	0.643	5.07
26) C	2-Nitrophenol	0.159	0.166	0.171	0.167	0.169	0.163	0.166	0.166	2.26
27)	2,4-Dimethylph...	0.304	0.295	0.285	0.268	0.268	0.258	0.252	0.276	6.99
28)	bis(2-Chloroet...	0.457	0.447	0.422	0.404	0.392	0.382	0.363	0.410	8.35
29) C	2,4-Dichloroph...	0.303	0.301	0.290	0.277	0.273	0.265	0.255	0.281	6.48
30)	1,2,4-Trichlor...	0.354	0.349	0.332	0.318	0.312	0.293	0.280	0.320	8.65
31)	Naphthalene	1.086	1.056	0.934	0.856	0.828	0.768		0.921	13.89
32)	Benzoic acid	0.162	0.182	0.166	0.170	0.185	0.190	0.199	0.179	7.54
33)	4-Chloroaniline	0.490	0.482	0.445	0.421	0.418	0.406	0.410	0.439	7.87
34) C	Hexachlorobuta...	0.199	0.197	0.185	0.177	0.172	0.161	0.152	0.178	9.93
35)	Caprolactam	0.098	0.102	0.095	0.093	0.091	0.091	0.093	0.095	4.12
36) C	4-Chloro-3-met...	0.308	0.303	0.289	0.276	0.271	0.262	0.261	0.281	6.79
37)	2-Methylnaphth...	0.732	0.708	0.644	0.596	0.568	0.533	0.504	0.612	14.15
38)	1-Methylnaphth...	0.692	0.668	0.612	0.562	0.543	0.504	0.478	0.580	13.94

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.629	0.620	0.557	0.525	0.505	0.468	0.424	0.533	14.18	
41) P	Hexachlorocycl...	0.403	0.395	0.366	0.350	0.335	0.317	0.298	0.352	11.03	
42) S	2,4,6-Tribromo...	0.220	0.214	0.199	0.186	0.181	0.171	0.162	0.191	11.40	
43) C	2,4,6-Trichlor...	0.452	0.444	0.425	0.419	0.412	0.394	0.388	0.419	5.66	
44)	2,4,5-Trichlor...	0.438	0.449	0.437	0.415	0.417	0.395	0.376	0.418	6.22	
45) S	2-Fluorobiphenyl	1.498	1.383	1.121	1.034	0.983			1.204	18.73	
46)	1,1'-Biphenyl	1.763	1.708	1.501	1.397	1.317	1.221		1.485	14.54	
47)	2-Chloronaphth...	1.436	1.401	1.262	1.199	1.163	1.066	0.998	1.218	13.32	
48)	2-Nitroaniline	0.376	0.395	0.386	0.379	0.372	0.370	0.353	0.376	3.47	
49)	Acenaphthylene	2.240	2.131	1.893	1.771	1.692	1.563		1.881	13.86	
50)	Dimethylphthalate	1.654	1.596	1.435	1.370	1.304	1.219	1.178	1.394	12.97	
51)	2,6-Dinitrotol...	0.331	0.335	0.334	0.322	0.323	0.316	0.306	0.324	3.24	
52) C	Acenaphthene	1.350	1.323	1.205	1.128	1.092	1.033	0.945	1.154	12.86	
53)	3-Nitroaniline	0.408	0.420	0.405	0.396	0.384	0.385	0.376	0.396	3.97	
54) P	2,4-Dinitrophenol	0.095	0.111	0.131	0.132	0.140	0.140	0.144	0.128	14.17	
55)	Dibenzofuran	1.954	1.876	1.665	1.542	1.450	1.367		1.642	14.29	
56) P	4-Nitrophenol	0.293	0.307	0.304	0.293	0.291	0.287	0.281	0.294	3.11	
57)	2,4-Dinitrotol...	0.413	0.438	0.432	0.418	0.423	0.405	0.381	0.416	4.56	
58)	Fluorene	1.488	1.385	1.149	1.056	0.977	0.894	0.813	1.109	22.56	
59)	2,3,4,6-Tetrac...	0.374	0.374	0.361	0.342	0.331	0.318	0.298	0.342	8.49	
60)	Diethylphthalate	1.672	1.626	1.503	1.400	1.345	1.242	1.176	1.423	13.14	
61)	4-Chlorophenyl...	0.729	0.696	0.580	0.532	0.495	0.445	0.406	0.555	21.98	
62)	4-Nitroaniline	0.391	0.391	0.397	0.384	0.390	0.379	0.371	0.386	2.26	
63)	Azobenzene	1.561	1.523	1.356	1.279	1.217	1.160	1.051	1.307	14.32	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.067	0.077	0.092	0.093	0.096	0.098	0.098	0.089	13.43	
66) c	n-Nitrosodiphe...	0.692	0.651	0.619	0.578	0.558	0.536	0.503	0.591	11.29	
67)	4-Bromophenyl-...	0.242	0.233	0.226	0.214	0.206	0.195	0.185	0.214	9.61	
68)	Hexachlorobenzene	0.268	0.255	0.241	0.230	0.222	0.211	0.199	0.232	10.47	
69)	Atrazine	0.227	0.211	0.192	0.177	0.166	0.144		0.186	16.25	
70) C	Pentachlorophenol	0.141	0.141	0.141	0.137	0.132	0.127	0.119	0.134	6.23	
71)	Phenanthrene	1.194	1.124	0.987	0.922	0.875			1.020	13.24	
72)	Anthracene	1.203	1.139	1.008	0.930	0.883			1.033	13.14	
73)	Carbazole	1.084	1.017	0.908	0.858	0.799	0.779		0.907	13.42	
74)	Di-n-butylphth...	1.437	1.333	1.155	1.067	0.993	0.910	0.823	1.103	20.15	
75) C	Fluoranthene	1.237	1.182	1.032	0.938	0.893			1.056	14.17	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	1.003	0.900	0.871	0.728	0.771	0.759	0.732	0.824	12.61	
78)	Pyrene	1.630	1.620	1.670	1.657	1.693	1.747	1.827	1.692	4.33	
79) S	Terphenyl-d14	1.201	1.106	1.038	1.022	1.010	1.036	1.034	1.064	6.38	
80)	Butylbenzylphth...	0.763	0.774	0.834	0.848	0.891	0.896	0.945	0.850	7.80	
81)	Benzo(a)anthra...	1.513	1.514	1.551	1.509	1.529	1.562	1.580	1.537	1.81	
82)	3,3'-Dichlorob...	0.609	0.604	0.597	0.580	0.591	0.591	0.583	0.594	1.75	
83)	Chrysene	1.450	1.451	1.451	1.431	1.485	1.500	1.511	1.468	2.04	
84)	Bis(2-ethylhex...	1.091	1.040	1.084	1.064	1.053	1.009	1.018	1.051	2.96	
85) c	Di-n-octyl pht...	1.874	1.816	1.863	1.826	1.845	1.764	1.796	1.826	2.12	
86)	Indeno(1,2,3-c...	1.514	1.513	1.437	1.437	1.526	1.397	1.471	1.471	3.33	

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87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.338	1.245	1.259	1.233	1.276	1.302	1.164	1.260	4.39
89)		Benzo(k)fluora...	1.260	1.244	1.166	1.088	0.957	0.936	1.014	1.095	12.12
90)	C	Benzo(a)pyrene	1.211	1.175	1.141	1.099	1.061	1.041	1.018	1.107	6.50
91)		Dibenzo(a,h)an...	1.154	1.093	1.004	0.949	0.917	0.868	0.861	0.978	11.43
92)		Benzo(g,h,i)pe...	1.086	1.026	0.952	0.924	0.903	0.863	0.890	0.949	8.41

(#) = Out of Range