

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF021221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 12 16:59:49 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123192.D 10 =BF123193.D 20 =BF123194.D 40 =BF123195.D 50 =BF123196.D 60 =BF123197.D 80 =BF123198.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.664	0.741	0.651	0.595	0.578	0.555	0.519	0.615	12.28
3)	Pyridine	1.665	1.865	1.699	1.543	1.505	1.477	1.368	1.589	10.43
4)	n-Nitrosodimet...	0.723	0.793	0.717	0.668	0.654	0.638	0.600	0.685	9.41
5) S	2-Fluorophenol	1.366	1.684	1.450	1.278	1.213	1.160	1.086	1.319	15.32
6)	Aniline	2.113	2.542	2.239	2.039	1.948	1.899	1.736	2.074	12.61
7) S	Phenol-d6	1.874	2.188	1.898	1.669	1.597	1.545	1.426	1.743	14.92
8)	2-Chlorophenol	1.539	1.866	1.626	1.431	1.367	1.309	1.216	1.479	14.81
9)	Benzaldehyde	1.114	1.328	1.121	0.914	0.858	0.800		1.023	19.56
10) C	Phenol	2.059	2.415	2.104	1.827	1.778	1.685	1.524	1.913	15.67
11)	bis(2-Chloroet...	1.369	1.665	1.448	1.282	1.232	1.196	1.106	1.328	14.00
12)	1,3-Dichlorobe...	1.607	1.937	1.685	1.498	1.417	1.359	1.268	1.539	14.69
13) C	1,4-Dichlorobe...	1.645	1.985	1.724	1.501	1.440	1.383	1.267	1.563	15.44
14)	1,2-Dichlorobe...	1.526	1.878	1.609	1.413	1.321	1.284	1.171	1.457	16.27
15)	Benzyl Alcohol	1.248	1.541	1.383	1.252	1.199	1.158	1.069	1.264	12.30
16)	2,2'-oxybis(1-...	1.818	2.154	1.872	1.669	1.575	1.520	1.398	1.715	14.84
17)	2-Methylphenol	1.254	1.460	1.264	1.153	1.116	1.071	0.995	1.188	12.92
18)	Hexachloroethane	0.569	0.665	0.611	0.551	0.522	0.513	0.465	0.557	11.89
19) P	n-Nitroso-di-n...	1.069	1.279	1.065	0.949	0.919	0.886	0.825	0.999	15.26
20)	3+4-Methylphenols	1.638	1.932	1.688	1.428	1.387	1.303	1.180	1.508	17.11
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.499	0.661	0.529	0.468	0.442	0.430	0.401	0.490	17.68
23) S	Nitrobenzene-d5	0.371	0.465	0.411	0.377	0.353	0.357	0.332	0.381	11.61
24)	Nitrobenzene	0.403	0.492	0.434	0.396	0.374	0.377	0.348	0.403	11.76
25)	Isophorone	0.688	0.854	0.764	0.696	0.659	0.659	0.628	0.707	10.97
26) C	2-Nitrophenol	0.167	0.224	0.210	0.196	0.191	0.189	0.183	0.194	9.62
27)	2,4-Dimethylph...	0.283	0.355	0.316	0.295	0.279	0.273	0.272	0.296	10.13
28)	bis(2-Chloroet...	0.384	0.464	0.414	0.382	0.352	0.354	0.334	0.384	11.55
29) C	2,4-Dichloroph...	0.276	0.355	0.317	0.292	0.275	0.273	0.259	0.292	11.28
30)	1,2,4-Trichlor...	0.311	0.383	0.340	0.310	0.288	0.290	0.273	0.314	11.96
31)	Naphthalene	1.126	1.337	1.176	1.056	0.978	0.964	0.899	1.077	13.92
32)	Benzoic acid		0.209	0.208	0.243	0.241	0.243	0.240	0.231	7.40
33)	4-Chloroaniline	0.437	0.541	0.483	0.435	0.412	0.412	0.398	0.446	11.30
34) C	Hexachlorobuta...	0.174	0.210	0.186	0.171	0.158	0.157	0.150	0.172	12.00
35)	Caprolactam	0.094	0.119	0.110	0.103	0.100	0.098	0.094	0.102	8.97
36) C	4-Chloro-3-met...	0.331	0.408	0.373	0.337	0.322	0.317	0.301	0.341	10.85
37)	2-Methylnaphth...	0.719	0.888	0.784	0.704	0.652	0.644	0.595	0.712	13.82
38)	1-Methylnaphth...	0.673	0.839	0.737	0.657	0.618	0.603	0.561	0.670	13.94

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.540	0.668	0.648	0.543	0.508	0.493	0.478	0.554	13.51
41) P	Hexachlorocycl...	0.172	0.257	0.293	0.277	0.262	0.257	0.255	0.253	15.16
42) S	2,4,6-Tribromo...	0.202	0.249	0.246	0.215	0.204	0.198	0.197	0.216	10.38
43) C	2,4,6-Trichlor...	0.392	0.485	0.469	0.417	0.397	0.383	0.378	0.417	10.30
44)	2,4,5-Trichlor...	0.424	0.535	0.512	0.449	0.430	0.419	0.409	0.454	10.86
45) S	2-Fluorobiphenyl	1.443	1.698	1.531	1.289	1.191	1.136	1.081	1.338	16.96
46)	1,1'-Biphenyl	1.698	2.012	1.757	1.591	1.488	1.407	1.351	1.615	14.17
47)	2-Chloronaphth...	1.327	1.596	1.408	1.275	1.185	1.143	1.104	1.291	13.29
48)	2-Nitroaniline	0.408	0.508	0.469	0.433	0.419	0.399	0.396	0.433	9.53
49)	Acenaphthylene	2.123	2.579	2.271	2.054	1.930	1.824	1.763	2.078	13.56
50)	Dimethylphthalate	1.474	1.762	1.573	1.434	1.338	1.286	1.281	1.450	11.99
51)	2,6-Dinitrotol...	0.333	0.412	0.375	0.351	0.335	0.321	0.314	0.349	9.90
52) C	Acenaphthene	1.367	1.636	1.462	1.343	1.261	1.221	1.170	1.351	11.76
53)	3-Nitroaniline	0.393	0.492	0.443	0.418	0.392	0.388	0.375	0.414	9.89
54) P	2,4-Dinitrophenol		0.164	0.178	0.193	0.192	0.190	0.192	0.185	6.18
55)	Dibenzofuran	1.933	2.269	1.998	1.794	1.673	1.592	1.535	1.828	14.15
56) P	4-Nitrophenol	0.285	0.396	0.369	0.352	0.336	0.328	0.319	0.341	10.52
57)	2,4-Dinitrotol...	0.433	0.563	0.507	0.476	0.458	0.437	0.422	0.471	10.56
58)	Fluorene	1.505	1.772	1.553	1.392	1.285	1.232	1.188	1.418	14.60
59)	2,3,4,6-Tetrac...	0.339	0.430	0.386	0.362	0.340	0.332	0.327	0.359	10.36
60)	Diethylphthalate	1.482	1.819	1.595	1.456	1.377	1.300	1.268	1.471	12.89
61)	4-Chlorophenyl...	0.665	0.773	0.692	0.624	0.579	0.558	0.531	0.632	13.41
62)	4-Nitroaniline	0.405	0.490	0.452	0.420	0.399	0.386	0.375	0.418	9.63
63)	Azobenzene	1.582	1.894	1.799	1.505	1.388	1.329	1.274	1.539	15.33
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.085	0.139	0.137	0.136	0.136	0.137	0.132	0.129	15.20
66) c	n-Nitrosodiphe...	0.688	0.832	0.738	0.658	0.621	0.619	0.575	0.676	12.83
67)	4-Bromophenyl-...	0.208	0.260	0.231	0.208	0.197	0.198	0.187	0.212	11.71
68)	Hexachlorobenzene	0.232	0.286	0.250	0.225	0.214	0.216	0.205	0.233	11.88
69)	Atrazine	0.199	0.260	0.223	0.196	0.183	0.182	0.168	0.202	15.33
70) C	Pentachlorophenol	0.115	0.168	0.157	0.149	0.143	0.144	0.139	0.145	11.28
71)	Phenanthrene	1.236	1.470	1.322	1.140	1.071	1.043	0.968	1.178	14.88
72)	Anthracene	1.202	1.478	1.323	1.138	1.079	1.045	0.978	1.178	14.71
73)	Carbazole	1.158	1.400	1.242	1.080	1.036	0.999	0.941	1.122	14.10
74)	Di-n-butylphth...	1.200	1.543	1.310	1.203	1.103	1.081	1.007	1.207	14.75
75) C	Fluoranthene	1.201	1.511	1.238	1.164	1.100	1.070	1.002	1.184	13.97
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.646	0.888	0.776	0.698	0.535		0.709		18.81
78)	Pyrene	1.490	1.821	1.590	1.440	1.363	1.352	1.295	1.479	12.17
79) S	Terphenyl-d14	1.026	1.299	1.093	0.953	0.893	0.892	0.830	0.998	16.01
80)	Butylbenzylpht...	0.581	0.856	0.693	0.654	0.607	0.608	0.579	0.654	14.97
81)	Benzo(a)anthra...	1.369	1.653	1.445	1.313	1.243	1.234	1.174	1.347	12.06
82)	3,3'-Dichlorob...	0.446	0.583	0.514	0.463	0.434	0.430	0.398	0.467	13.41
83)	Chrysene	1.335	1.660	1.437	1.291	1.212	1.223	1.137	1.328	13.21
84)	Bis(2-ethylhex...	0.816	1.075	0.905	0.850	0.776	0.776	0.742	0.849	13.36
85) c	Di-n-octyl pht...	1.366	1.821	1.570	1.475	1.364	1.348	1.275	1.460	12.73

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.486	1.709	1.508	1.345	1.243	1.182	1.144	1.374	14.86	
88)	Benzo(b)fluora...	1.361	1.732	1.366	1.368	1.333	1.375	1.300	1.405	10.42	
89)	Benzo(k)fluora...	1.367	1.519	1.296	1.271	1.256	1.147	1.181	1.291	9.59	
90) C	Benzo(a)pyrene	1.254	1.503	1.329	1.231	1.183	1.164	1.129	1.256	10.12	
91)	Dibenzo(a,h)an...	1.240	1.463	1.294	1.141	1.048	1.002	0.970	1.165	15.28	
92)	Benzo(g,h,i)pe...	1.233	1.428	1.257	1.102	1.007	0.967	0.943	1.134	15.83	

(#) = Out of Range