

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF012221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jan 22 15:39:01 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123028.D 10 =BF123029.D 20 =BF123030.D 40 =BF123031.D 50 =BF123032.D 60 =BF123033.D 80 =BF123034.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.737	0.690	0.634	0.664	0.628	0.606	0.590	0.650	7.86
3) Pyridine	2.038	1.839	1.711	1.739	1.655	1.589	1.561	1.733	9.45
4) n-Nitrosodimet...	0.791	0.725	0.689	0.721	0.692	0.662	0.639	0.703	7.00
5) S 2-Fluorophenol	1.572	1.447	1.336	1.298	1.226	1.147	1.084	1.302	13.01
6) Aniline	2.475	2.301	2.173	2.241	2.189	2.062	1.957	2.200	7.57
7) S Phenol-d6	2.182	1.993	1.789	1.757	1.664	1.531	1.449	1.767	14.47
8) 2-Chlorophenol	1.722	1.591	1.467	1.446	1.376	1.277	1.184	1.437	12.68
9) Benzaldehyde		0.887	0.801	0.744	0.687	0.642	0.623	0.731	13.85
10) C Phenol	2.115	1.921	1.775	1.766	1.641	1.558	1.489	1.752	12.34
11) bis(2-Chloroet...	1.719	1.565	1.436	1.436	1.368	1.262	1.176	1.423	12.77
12) 1,3-Dichlorobe...	2.056	1.847	1.672	1.643	1.540	1.417		1.696	13.39
13) C 1,4-Dichlorobe...	2.041	1.849	1.673	1.636	1.542	1.427	1.330	1.643	14.84
14) 1,2-Dichlorobe...	1.961	1.768	1.589	1.537	1.427	1.316		1.600	14.62
15) Benzyl Alcohol	1.458	1.391	1.264	1.280	1.234	1.136	1.060	1.260	10.88
16) 2,2'-oxybis(1-...	2.579	2.368	2.170	2.134	2.062	1.879	1.741	2.133	13.23
17) 2-Methylphenol	1.412	1.303	1.207	1.223	1.177	1.103	1.044	1.210	10.11
18) Hexachloroethane	0.727	0.654	0.609	0.618	0.591	0.549	0.516	0.609	11.34
19) P n-Nitroso-di-n...	1.285	1.174	1.052	1.033	1.011	0.940	0.854	1.050	13.65
20) 3+4-Methylphenols		1.692	1.557	1.501	1.406	1.282	1.163	1.434	13.37
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.632	0.576	0.526	0.516	0.488	0.454	0.435	0.518	13.29
23) S Nitrobenzene-d5	0.395	0.390	0.378	0.394	0.376	0.358	0.350	0.377	4.64
24) Nitrobenzene	0.420	0.406	0.389	0.403	0.388	0.369	0.358	0.391	5.52
25) Isophorone	0.829	0.762	0.697	0.716	0.697	0.660	0.636	0.714	9.06
26) C 2-Nitrophenol	0.118	0.135	0.149	0.175	0.180	0.176	0.173	0.158	15.29
27) 2,4-Dimethylph...	0.353	0.322	0.312	0.320	0.307	0.291	0.283	0.313	7.30
28) bis(2-Chloroet...	0.569	0.522	0.483	0.486	0.469	0.439	0.416	0.484	10.51
29) C 2,4-Dichloroph...	0.341	0.322	0.304	0.318	0.309	0.289	0.281	0.309	6.61
30) 1,2,4-Trichlor...	0.417	0.377	0.351	0.361	0.341	0.319	0.309	0.354	10.32
31) Naphthalene	1.381	1.231	1.130	1.097	1.012	0.939		1.132	13.95
32) Benzoic acid		0.128	0.149	0.210	0.231	0.229	0.233	0.197	23.45
33) 4-Chloroaniline	0.552	0.518	0.484	0.487	0.475	0.450	0.434	0.486	8.21
34) C Hexachlorobuta...	0.226	0.207	0.194	0.200	0.190	0.179	0.175	0.196	8.81
35) Caprolactam	0.116	0.111	0.105	0.110	0.109	0.106	0.103	0.108	4.01
36) C 4-Chloro-3-met...	0.375	0.350	0.329	0.340	0.328	0.312	0.302	0.333	7.30
37) 2-Methylnaphth...	0.900	0.838	0.747	0.737	0.683	0.633	0.603	0.734	14.57
38) 1-Methylnaphth...	0.861	0.785	0.717	0.698	0.649	0.605	0.570	0.698	14.55

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.691	0.621	0.576	0.576	0.545	0.525	0.507	0.577	10.85
41) P	Hexachlorocycl...	0.299	0.289	0.292	0.301	0.282	0.269	0.277	0.287	4.07
42) S	2,4,6-Tribromo...	0.211	0.211	0.200	0.216	0.209	0.208	0.197	0.207	3.09
43) C	2,4,6-Trichlor...	0.435	0.415	0.404	0.436	0.417	0.401	0.392	0.414	4.08
44)	2,4,5-Trichlor...	0.449	0.439	0.417	0.439	0.424	0.416	0.405	0.427	3.68
45) S	2-Fluorobiphenyl	1.575	1.376	1.281	1.154	1.087		1.295		14.85
46)	1,1'-Biphenyl	2.079	1.850	1.692	1.628	1.504	1.418		1.695	14.18
47)	2-Chloronaphth...	1.644	1.466	1.346	1.333	1.257	1.196	1.138	1.340	12.82
48)	2-Nitroaniline	0.332	0.372	0.384	0.430	0.416	0.410	0.406	0.393	8.38
49)	Acenaphthylene	2.519	2.277	2.081	2.031	1.866	1.767	1.674	2.031	14.57
50)	Dimethylphthalate	1.871	1.693	1.542	1.543	1.462	1.406	1.349	1.552	11.55
51)	2,6-Dinitrotol...	0.301	0.323	0.318	0.344	0.332	0.324	0.311	0.322	4.36
52) C	Acenaphthene	1.581	1.430	1.306	1.304	1.211	1.157	1.117	1.301	12.47
53)	3-Nitroaniline	0.386	0.399	0.391	0.427	0.415	0.411	0.395	0.403	3.62
54) P	2,4-Dinitrophenol	0.070	0.088	0.122	0.132	0.138	0.139	0.115		25.23
55)	Dibenzofuran	2.243	2.039	1.826	1.791	1.625	1.553		1.846	13.98
56) P	4-Nitrophenol	0.248	0.276	0.285	0.316	0.309	0.307	0.305	0.292	8.27
57)	2,4-Dinitrotol...	0.335	0.390	0.399	0.443	0.430	0.428	0.420	0.406	8.98
58)	Fluorene	1.786	1.583	1.392	1.331	1.224	1.175	1.104	1.371	17.63
59)	2,3,4,6-Tetrac...	0.349	0.364	0.332	0.362	0.341	0.334	0.326	0.344	4.28
60)	Diethylphthalate	1.873	1.719	1.570	1.561	1.461	1.397	1.311	1.556	12.36
61)	4-Chlorophenyl...	0.843	0.770	0.681	0.669	0.613	0.589		0.694	13.90
62)	4-Nitroaniline	0.398	0.401	0.391	0.428	0.417	0.407	0.409	0.407	3.03
63)	Azobenzene	1.851	1.678	1.526	1.520	1.416	1.347	1.262	1.515	13.25
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.059	0.072	0.095	0.102	0.100	0.104	0.089		20.79
66) c	n-Nitrosodiphe...	0.826	0.756	0.690	0.694	0.651	0.606	0.588	0.687	12.18
67)	4-Bromophenyl-...	0.267	0.245	0.227	0.233	0.226	0.211	0.205	0.230	8.99
68)	Hexachlorobenzene	0.302	0.276	0.258	0.265	0.257	0.240	0.235	0.262	8.52
69)	Atrazine	0.227	0.215	0.198	0.197	0.189	0.179	0.171	0.197	9.90
70) C	Pentachlorophenol	0.112	0.127	0.128	0.144	0.143	0.138	0.136	0.133	8.54
71)	Phenanthrene	1.474	1.331	1.174	1.133	1.039		1.230		14.03
72)	Anthracene	1.440	1.310	1.183	1.116	1.035		1.217		13.19
73)	Carbazole	1.330	1.183	1.074	1.060	0.970	0.902		1.086	14.08
74)	Di-n-butylphth...	1.602	1.508	1.345	1.307	1.185	1.097		1.341	14.19
75) C	Fluoranthene	1.488	1.316	1.187	1.153	1.059		1.240		13.40
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.547	0.553	0.590	0.501	0.450		0.528		10.19
78)	Pyrene	1.839	1.695	1.545	1.506	1.446	1.344	1.354	1.533	11.78
79) S	Terphenyl-d14	1.197	1.034	0.999	0.957	0.889	0.878	0.992		11.80
80)	Butylbenzylpht...	0.719	0.728	0.688	0.736	0.727	0.683	0.672	0.708	3.65
81)	Benzo(a)anthra...	1.625	1.456	1.327	1.322	1.264	1.189	1.180	1.337	11.81
82)	3,3'-Dichlorob...	0.490	0.466	0.440	0.452	0.431	0.402	0.387	0.438	8.12
83)	Chrysene	1.619	1.445	1.306	1.315	1.254	1.157	1.149	1.321	12.58
84)	Bis(2-ethylhex...	1.129	1.068	0.961	0.964	0.924	0.858	0.804	0.958	11.75
85) c	Di-n-octyl pht...	1.763	1.738	1.608	1.654	1.585	1.491	1.359	1.600	8.78

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.594	1.459	1.358	1.345	1.277	1.210	1.147	1.341	11.27	
88)	Benzo(b)fluora...	1.624	1.423	1.382	1.505	1.405	1.320	1.349	1.430	7.26	
89)	Benzo(k)fluora...	1.570	1.459	1.281	1.287	1.294	1.269	1.248	1.344	9.06	
90) C	Benzo(a)pyrene	1.447	1.318	1.237	1.289	1.246	1.185	1.185	1.272	7.17	
91)	Dibenzo(a,h)an...	1.318	1.217	1.147	1.128	1.058	0.989	0.939	1.114	11.74	
92)	Benzo(g,h,i)pe...	1.263	1.149	1.083	1.038	0.987	0.940	0.892	1.050	12.14	

(#) = Out of Range