

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM090220.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

CalibrationFiles

5 =BM027299.D 10 =BM027300.D 20 =BM027301.D 40 =BM027302.D 50 =BM027303.D 60 =BM027304.D 80 =BM027305.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.516	0.582	0.512	0.494	0.505	0.484	0.493	0.512	6.41
3)	Pyridine	1.400	1.543	1.491	1.495	1.506	1.485	1.494	1.488	2.91
4)	n-Nitrosodimet...	0.640	0.609	0.580	0.569	0.581	0.556	0.577	0.587	4.81
5) S	2-Fluorophenol	1.148	1.228	1.173	1.199	1.214	1.198	1.250	1.201	2.83
6)	Aniline	1.828	2.014	1.924	2.012	2.006	1.976	2.034	1.970	3.68
7) S	Phenol-d6	1.425	1.596	1.571	1.664	1.682	1.666	1.743	1.621	6.37
8)	2-Chlorophenol	1.141	1.252	1.211	1.229	1.239	1.220	1.268	1.223	3.34
9)	Benzaldehyde	1.277	1.363	1.268	1.267	1.278	1.237	1.238	1.275	3.32
10) C	Phenol	1.399	1.572	1.524	1.582	1.590	1.585	1.654	1.558	5.11
11)	bis(2-Chloroet...	1.295	1.336	1.269	1.321	1.330	1.303	1.322	1.311	1.80
12)	1,3-Dichlorobe...	1.548	1.559	1.482	1.509	1.519	1.494	1.545	1.522	1.91
13) C	1,4-Dichlorobe...	1.489	1.582	1.509	1.530	1.545	1.495	1.565	1.531	2.31
14)	1,2-Dichlorobe...	1.472	1.530	1.446	1.472	1.459	1.433	1.483	1.471	2.12
15)	Benzyl Alcohol	1.200	1.366	1.350	1.448	1.452	1.440	1.496	1.393	7.12
16)	2,2'-oxybis(1-...	0.931	1.032	0.972	1.029	1.013	0.980	0.992	0.993	3.59
17)	2-Methylphenol	0.927	1.054	1.045	1.094	1.089	1.085	1.112	1.058	5.90
18)	Hexachloroethane	0.614	0.635	0.590	0.611	0.615	0.601	0.628	0.613	2.47
19) P	n-Nitroso-di-n...	1.162	1.293	1.296	1.326	1.310	1.301	1.350	1.291	4.67
20)	3+4-Methylphenols	1.243	1.412	1.412	1.489	1.503	1.497	1.546	1.443	7.02
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.530	0.568	0.543	0.562	0.572	0.559	0.607	0.563	4.30
23) S	Nitrobenzene-d5	0.433	0.471	0.450	0.473	0.479	0.468	0.503	0.468	4.73
24)	Nitrobenzene	0.440	0.505	0.476	0.496	0.493	0.484	0.518	0.487	5.13
25)	Isophorone	0.737	0.808	0.799	0.842	0.846	0.836	0.897	0.824	6.01
26) C	2-Nitrophenol	0.138	0.162	0.169	0.191	0.200	0.194	0.213	0.181	14.20
27)	2,4-Dimethylph...	0.271	0.301	0.299	0.316	0.318	0.315	0.342	0.309	7.09
28)	bis(2-Chloroet...	0.424	0.464	0.451	0.484	0.490	0.480	0.515	0.472	6.25
29) C	2,4-Dichloroph...	0.294	0.344	0.338	0.367	0.376	0.370	0.402	0.356	9.67
30)	1,2,4-Trichlor...	0.404	0.423	0.401	0.429	0.434	0.424	0.458	0.425	4.53
31)	Naphthalene	0.994	1.073	1.007	1.080	1.100	1.079	1.165	1.071	5.37
32)	Benzoic acid		0.133	0.157	0.209	0.221	0.225	0.247	0.199	22.21
33)	4-Chloroaniline	0.382	0.431	0.440	0.477	0.477	0.473	0.504	0.455	8.89
34) C	Hexachlorobuta...	0.276	0.295	0.270	0.287	0.291	0.281	0.309	0.287	4.53
35)	Caprolactam		0.086	0.096	0.109	0.108	0.113	0.117	0.105	11.02
36) C	4-Chloro-3-met...	0.313	0.357	0.370	0.399	0.405	0.402	0.429	0.382	10.19
37)	2-Methylnaphth...	0.748	0.818	0.791	0.864	0.864	0.861	0.931	0.839	7.08
38)	1-Methylnaphth...	0.722	0.770	0.752	0.802	0.813	0.799	0.860	0.788	5.71

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.677	0.684	0.674	0.728	0.745	0.723	0.808	0.720	6.64	
41) P	Hexachlorocycl...	0.386	0.400	0.428	0.501	0.526	0.501	0.576	0.474	14.90	
42) S	2,4,6-Tribromo...	0.297	0.327	0.335	0.361	0.362	0.369	0.403	0.351	9.73	
43) C	2,4,6-Trichlor...	0.360	0.408	0.411	0.463	0.471	0.467	0.509	0.441	11.42	
44)	2,4,5-Trichlor...	0.415	0.447	0.452	0.495	0.505	0.496	0.548	0.480	9.26	
45) S	2-Fluorobiphenyl	1.394	1.442	1.419	1.522	1.557	1.517	1.676	1.504	6.42	
46)	1,1'-Biphenyl	1.469	1.529	1.500	1.609	1.638	1.594	1.742	1.583	5.87	
47)	2-Chloronaphth...	1.191	1.213	1.193	1.267	1.291	1.252	1.379	1.255	5.29	
48)	2-Nitroaniline	0.298	0.339	0.370	0.411	0.416	0.412	0.439	0.384	13.15	
49)	Acenaphthylene	1.698	1.812	1.818	1.959	1.973	1.943	2.106	1.901	7.06	
50)	Dimethylphthalate	1.562	1.610	1.578	1.682	1.667	1.646	1.762	1.644	4.18	
51)	2,6-Dinitrotol...	0.290	0.336	0.335	0.364	0.367	0.366	0.393	0.350	9.51	
52) C	Acenaphthene	1.073	1.145	1.125	1.206	1.216	1.191	1.300	1.180	6.23	
53)	3-Nitroaniline	0.227	0.278	0.306	0.335	0.342	0.344	0.371	0.315	15.53	
54) P	2,4-Dinitrophenol		0.143	0.169	0.208	0.215	0.218	0.242	0.199	18.17	
55)	Dibenzofuran	1.867	1.967	1.935	2.018	2.014	1.994	2.172	1.995	4.70	
56) P	4-Nitrophenol		0.224	0.255	0.288	0.288	0.294	0.313	0.277	11.52	
57)	2,4-Dinitrotol...	0.376	0.436	0.470	0.521	0.513	0.520	0.560	0.485	12.86	
58)	Fluorene	1.494	1.589	1.588	1.724	1.737	1.716	1.877	1.675	7.56	
59)	2,3,4,6-Tetrac...	0.404	0.432	0.447	0.482	0.480	0.482	0.521	0.464	8.39	
60)	Diethylphthalate	1.525	1.654	1.642	1.739	1.709	1.725	1.842	1.691	5.81	
61)	4-Chlorophenyl...	0.827	0.886	0.866	0.932	0.953	0.934	1.043	0.920	7.57	
62)	4-Nitroaniline	0.214	0.281	0.319	0.367	0.360	0.375	0.396	0.330	19.37	
63)	Azobenzene	1.544	1.718	1.743	1.788	1.784	1.775	1.891	1.749	6.02	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.104	0.109	0.131	0.138	0.137	0.152	0.128	14.27		
66) c	n-Nitrosodiphe...	0.540	0.598	0.582	0.634	0.654	0.628	0.696	0.619	8.22	
67)	4-Bromophenyl-...	0.219	0.240	0.228	0.252	0.259	0.250	0.280	0.247	8.16	
68)	Hexachlorobenzene	0.265	0.287	0.268	0.287	0.301	0.290	0.320	0.288	6.57	
69)	Atrazine	0.146	0.174	0.173	0.191	0.191	0.188	0.205	0.181	10.43	
70) C	Pentachlorophenol		0.147	0.154	0.177	0.185	0.182	0.201	0.174	11.54	
71)	Phenanthrene	1.062	1.145	1.100	1.182	1.195	1.180	1.277	1.163	5.98	
72)	Anthracene	1.022	1.136	1.113	1.207	1.225	1.204	1.309	1.174	7.86	
73)	Carbazole	0.858	0.996	0.990	1.061	1.063	1.067	1.139	1.025	8.69	
74)	Di-n-butylphth...	0.986	1.154	1.181	1.309	1.290	1.305	1.402	1.233	11.11	
75) C	Fluoranthene	1.226	1.397	1.365	1.442	1.419	1.465	1.561	1.411	7.26	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.339	0.454	0.600	0.662	0.615	0.699	0.561	24.48		
78)	Pyrene	1.127	1.174	1.211	1.431	1.591	1.388	1.626	1.364	14.69	
79) S	Terphenyl-d14	0.962	0.980	1.011	1.212	1.333	1.180	1.366	1.149	14.59	
80)	Butylbenzylpht...	0.377	0.411	0.461	0.557	0.588	0.558	0.621	0.510	18.38	
81)	Benzo(a)anthra...	1.199	1.283	1.258	1.367	1.393	1.380	1.467	1.335	6.92	
82)	3,3'-Dichlorob...	0.373	0.431	0.474	0.542	0.552	0.573	0.594	0.505	16.18	
83)	Chrysene	1.171	1.262	1.218	1.325	1.350	1.331	1.426	1.298	6.65	
84)	Bis(2-ethylhex...	0.570	0.660	0.723	0.826	0.835	0.832	0.741	14.83		
85) c	Di-n-octyl pht...	0.942	1.113	1.213	1.308	1.298	1.394	1.365	1.233	12.94	

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86) I Perylene-d12 -----ISTD-----

87)	Indeno(1,2,3-c...	1.211	1.368	1.336	1.297	1.407	1.379	1.496	1.356	6.58
88)	Benzo(b)fluora...	1.153	1.221	1.260	1.493	1.472	1.479	1.660	1.391	13.11
89)	Benzo(k)fluora...	1.099	1.271	1.237	1.400	1.428	1.386	1.593	1.345	11.78
90) C	Benzo(a)pyrene	0.963	1.089	1.089	1.229	1.243	1.240	1.384	1.177	11.78
91)	Dibenzo(a,h)an...	1.024	1.138	1.130	1.095	1.189	1.168	1.274	1.146	6.80
92)	Benzo(g,h,i)pe...	0.999	1.142	1.105	1.034	1.152	1.088	1.207	1.104	6.45

(#) = Out of Range