

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP091424.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sun Sep 15 05:10:07 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BP021917.D 5 =BP021918.D 10 =BP021919.D 20 =BP021920.D 40 =BP021921.D 50 =BP021922.D 60 =BP021923.D 80 =BP021924.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.721	0.702	0.473	0.431	0.595	0.416	0.555	0.556	22.29	
3)	Pyridine	1.530	1.548	1.078	1.202	1.784	1.267	1.405	1.402	17.16	
4)	n-Nitrosodimet...	0.828	0.864	0.606	0.571	0.741	0.579	0.682	0.696	17.15	
5) S	2-Fluorophenol	1.528	1.577	0.769	1.038	1.006	0.867	0.980	1.109	28.54	
6)	Aniline	1.162	1.191	1.294	1.240	1.265	1.346	1.172	1.239	5.52	
7) S	Phenol-d6	1.284	1.320	1.426	1.386	1.411	1.475	1.331	1.376	4.91	
8)	2-Chlorophenol	1.147	1.117	1.188	1.138	1.131	1.169	1.096	1.141	2.72	
9)	Benzaldehyde	0.727	0.774	0.834	0.730	0.683	0.638	0.567	0.707	12.45	
10) C	Phenol	1.341	1.312	1.455	1.391	1.402	1.485	1.324	1.387	4.77	
11)	bis(2-Chloroet...	1.083	1.095	1.162	1.128	1.070	1.152	1.021	1.102	4.51	
12)	1,3-Dichlorobe...	1.551	1.476	1.465	1.396	1.377	1.391	1.334	1.427	5.16	
13) C	1,4-Dichlorobe...	1.566	1.490	1.497	1.410	1.373	1.418	1.373	1.447	5.03	
14)	1,2-Dichlorobe...	2.080	1.476	1.422	1.350	1.330	1.355	1.328	1.477	18.36	
15)	Benzyl Alcohol	1.321	0.977	0.995	0.973	1.109	1.086	1.039	1.071	11.39	
16)	2,2'-oxybis(1-...	1.987	1.181	1.422	1.369	1.215	1.392	1.228	1.399	19.75	
17)	2-Methylphenol	1.274	0.909	0.959	0.942	0.993	1.020	0.960	1.008	12.15	
18)	Hexachloroethane	0.748	0.566	0.523	0.374	0.512	0.383	0.653	0.537	25.21	
19) P	n-Nitroso-di-n...	0.872	1.298	0.921	0.940	0.674	0.988	0.828	1.182	0.963	20.50
20)	3+4-Methylphenols	1.705	1.254	1.362	0.983	1.423	1.197	1.707	1.376	19.26	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.501	0.343	0.494	0.526	0.465	0.555	0.456	0.477	14.30	
23) S	Nitrobenzene-d5	0.360	0.259	0.366	0.386	0.367	0.379	0.356	0.353	12.16	
24)	Nitrobenzene	0.391	0.272	0.389	0.397	0.374	0.389	0.365	0.368	11.88	
25)	Isophorone	0.597	0.620	0.632	0.637	0.651	0.677	0.624	0.634	3.97	
26) C	2-Nitrophenol	0.127	0.135	0.147	0.163	0.166	0.173	0.169	0.154	11.57	
27)	2,4-Dimethylph...	0.176	0.184	0.196	0.197	0.197	0.204	0.196	0.193	4.99	
28)	bis(2-Chloroet...	0.411	0.410	0.414	0.391	0.386	0.398	0.384	0.399	3.18	
29) C	2,4-Dichloroph...	0.285	0.294	0.316	0.320	0.321	0.332	0.317	0.312	5.31	
30)	1,2,4-Trichlor...	0.406	0.386	0.385	0.383	0.363	0.379	0.369	0.381	3.61	
31)	Naphthalene	1.089	1.036	1.006	0.996	0.965	1.000	0.961	1.007	4.39	
32)	Benzoic acid	0.142	0.170	0.189	0.208	0.243	0.253	0.236	0.206	19.96	
33)	4-Chloroaniline	0.364	0.361	0.373	0.366	0.379	0.386	0.358	0.370	2.83	
34) C	Hexachlorobuta...	0.267	0.248	0.254	0.270	0.246	0.261	0.245	0.256	4.02	
35)	Caprolactam	0.080	0.090	0.094	0.094	0.110	0.111	0.099	0.097	11.52	
36) C	4-Chloro-3-met...	0.297	0.320	0.333	0.344	0.374	0.382	0.323	0.339	8.94	
37)	2-Methylnaphth...	0.724	0.727	0.733	0.735	0.759	0.768	0.681	0.733	3.83	
38)	1-Methylnaphth...	0.739	0.722	0.727	0.744	0.755	0.773	0.673	0.733	4.35	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.608	0.575	0.599	0.504	0.436	0.456	0.601	0.540	13.59	
41) P	Hexachlorocycl...	0.180	0.183	0.198	0.181	0.157	0.168	0.211	0.183	9.87	
42) S	2,4,6-Tribromo...	0.234	0.244	0.254	0.250	0.257	0.260	0.256	0.251	3.62	
43) C	2,4,6-Trichlor...	0.333	0.344	0.379	0.399	0.302	0.313	0.407	0.354	11.74	
44)	2,4,5-Trichlor...	0.391	0.406	0.435	0.442	0.342	0.360	0.450	0.404	10.39	
45) S	2-Fluorobiphenyl	1.386	1.334	1.328	1.316	0.973	1.261	1.220	1.260	10.91	
46)	1,1'-Biphenyl	1.438	1.388	1.395	1.382	1.294	1.333	1.310	1.363	3.79	
47)	2-Chloronaphth...	1.172	1.097	1.102	1.114	1.050	1.090	1.077	1.100	3.44	
48)	2-Nitroaniline	0.245	0.270	0.289	0.298	0.312	0.313	0.309	0.291	8.71	
49)	Acenaphthylene	1.515	1.532	1.597	1.587	1.550	1.577	1.553	1.559	1.92	
50)	Dimethylphthalate	1.438	1.421	1.439	1.380	1.381	1.390	1.341	1.399	2.57	
51)	2,6-Dinitrotol...	0.269	0.302	0.316	0.318	0.323	0.328	0.312	0.310	6.37	
52) C	Acenaphthene	1.080	1.028	1.047	1.025	0.976	0.987	0.977	1.017	3.85	
53)	3-Nitroaniline	0.240	0.268	0.294	0.292	0.303	0.303	0.301	0.286	8.31	
54) P	2,4-Dinitrophenol	0.114	0.128	0.151	0.163	0.178	0.186	0.186	0.158	17.98	
55)	Dibenzofuran	1.819	1.768	1.756	1.675	1.629	1.641	1.618	1.701	4.66	
56) P	4-Nitrophenol	0.185	0.227	0.253	0.253	0.267	0.260	0.260	0.244	11.93	
57)	2,4-Dinitrotol...	0.347	0.388	0.435	0.432	0.450	0.450	0.441	0.420	9.18	
58)	Fluorene	1.425	1.442	1.421	1.334	1.317	1.329	1.267	1.362	4.89	
59)	2,3,4,6-Tetrac...	0.349	0.370	0.398	0.386	0.393	0.399	0.388	0.383	4.69	
60)	Diethylphthalate	1.414	1.460	1.444	1.372	1.384	1.403	1.355	1.405	2.70	
61)	4-Chlorophenyl...	0.778	0.758	0.756	0.714	0.708	0.725	0.685	0.732	4.48	
62)	4-Nitroaniline	0.240	0.287	0.317	0.313	0.325	0.319	0.317	0.303	9.92	
63)	Azobenzene	1.208	1.290	1.305	1.225	1.249	1.245	1.177	1.243	3.61	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.077	0.084	0.100	0.108	0.113	0.121	0.117	0.103	16.43	
66) c	n-Nitrosodiphe...	0.516	0.525	0.520	0.522	0.508	0.528	0.496	0.516	2.12	
67)	4-Bromophenyl-...	0.193	0.193	0.203	0.200	0.197	0.210	0.200	0.200	2.94	
68)	Hexachlorobenzene	0.233	0.238	0.241	0.239	0.234	0.244	0.235	0.238	1.76	
69)	Atrazine	0.173	0.186	0.196	0.188	0.183	0.190	0.177	0.185	4.23	
70) C	Pentachlorophenol	0.120	0.140	0.160	0.164	0.167	0.177	0.170	0.157	12.64	
71)	Phenanthrene	1.042	1.016	0.999	0.957	0.924	0.957	0.919	0.973	4.79	
72)	Anthracene	0.937	0.958	0.969	0.941	0.910	0.945	0.902	0.937	2.59	
73)	Carbazole	0.921	0.957	0.976	0.929	0.902	0.904	0.873	0.923	3.77	
74)	Di-n-butylphth...	0.914	1.014	1.094	1.064	1.046	1.095	1.037	1.038	5.98	
75) C	Fluoranthene	1.219	1.292	1.335	1.250	1.221	1.232	1.191	1.248	3.95	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.267	0.386	0.363	0.308	0.322	0.245		0.315	17.21	
78)	Pyrene	1.311	1.243	1.269	1.281	1.314	1.336	1.244	1.286	2.80	
79) S	Terphenyl-d14	1.015	0.980	1.004	0.980	0.986	1.013	0.923	0.986	3.19	
80)	Butylbenzylpht...	0.363	0.405	0.451	0.468	0.489	0.502	0.485	0.452	11.19	
81)	Benzo(a)anthra...	1.289	1.274	1.304	1.285	1.260	1.305	1.235	1.279	1.98	
82)	3,3'-Dichlorob...	0.356	0.402	0.439	0.451	0.442	0.432	0.405	0.418	7.86	
83)	Chrysene	1.291	1.239	1.223	1.210	1.191	1.223	1.148	1.218	3.60	
84)	Bis(2-ethylhex...	0.528	0.636	0.680	0.715	0.707	0.744	0.693	0.672	10.68	
85) c	Di-n-octyl pht...		0.957	1.076	1.173	1.208	1.264	1.212	1.148	9.79	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.231	1.245	1.321	1.272	1.260	1.287	1.275	1.270	2.30	
88)	Benzo(b)fluora...	0.935	1.126	1.718	1.193	1.174	1.194	1.211	1.222	19.54	
89)	Benzo(k)fluora...	1.006	1.091	1.676	1.127	1.087	1.154	1.096	1.177	19.12	
90) C	Benzo(a)pyrene	0.925	0.966	1.047	1.036	1.005	1.060	1.037	1.011	4.87	
91)	Dibenzo(a,h)an...	1.050	1.051	1.092	1.053	1.032	1.066	1.051	1.056	1.75	
92)	Benzo(g,h,i)pe...	1.082	1.074	1.152	1.105	1.087	1.114	1.098	1.102	2.39	

(#) = Out of Range