

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP060722.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jun 07 19:29:31 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP010708.D 10 =BP010709.D 20 =BP010710.D 40 =BP010711.D 50 =BP010712.D 60 =BP010713.D 80 =BP010714.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.557	0.466	0.448	0.469	0.443	0.455	0.423	0.466	9.25
3) Pyridine	1.348	1.289	1.288	1.367	1.308	1.351	1.269	1.317	2.86
4) n-Nitrosodimet...	0.751	0.680	0.723	0.768	0.750	0.759	0.713	0.735	4.21
5) S 2-Fluorophenol	1.203	1.134	1.147	1.189	1.149	1.183	1.107	1.159	2.95
6) Aniline	1.937	1.742	1.827	1.907	1.878	1.925	1.753	1.853	4.33
7) S Phenol-d6	1.584	1.500	1.577	1.644	1.606	1.650	1.533	1.585	3.48
8) 2-Chlorophenol	1.306	1.228	1.243	1.280	1.268	1.281	1.202	1.258	2.84
9) Benzaldehyde	1.163	1.049	1.012	0.866	0.847	0.808		0.958	14.51
10) C Phenol	1.662	1.548	1.630	1.705	1.635	1.693	1.572	1.635	3.58
11) bis(2-Chloroet...	1.385	1.176	1.259	1.257	1.253	1.285	1.179	1.256	5.61
12) 1,3-Dichlorobe...	1.570	1.446	1.421	1.445	1.411	1.447	1.343	1.440	4.72
13) C 1,4-Dichlorobe...	1.565	1.459	1.451	1.514	1.459	1.490	1.380	1.474	3.90
14) 1,2-Dichlorobe...	1.589	1.393	1.404	1.416	1.396	1.427	1.307	1.419	5.98
15) Benzyl Alcohol	1.248	1.167	1.254	1.310	1.293	1.300	1.229	1.257	3.97
16) 2,2'-oxybis(1-...	2.281	2.070	2.130	2.130	2.097	2.116	1.962	2.112	4.48
17) 2-Methylphenol	1.118	1.059	1.099	1.131	1.118	1.145	1.059	1.104	3.06
18) Hexachloroethane	0.639	0.576	0.558	0.575	0.552	0.576	0.528	0.572	6.00
19) P n-Nitroso-di-n...	1.164	1.082	1.124	1.137	1.133	1.133	1.051	1.118	3.41
20) 3+4-Methylphenols	1.491	1.436	1.516	1.576	1.547	1.580	1.461	1.515	3.67
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.535	0.507	0.531	0.545	0.536	0.559	0.519	0.533	3.18
23) S Nitrobenzene-d5	0.421	0.403	0.418	0.440	0.422	0.452	0.418	0.425	3.80
24) Nitrobenzene	0.435	0.405	0.423	0.442	0.430	0.449	0.418	0.429	3.56
25) Isophorone	0.709	0.672	0.721	0.754	0.736	0.774	0.722	0.727	4.51
26) C 2-Nitrophenol	0.154	0.160	0.173	0.187	0.185	0.195	0.181	0.176	8.48
27) 2,4-Dimethylph...	0.250	0.240	0.254	0.270	0.263	0.276	0.256	0.258	4.64
28) bis(2-Chloroet...	0.396	0.377	0.389	0.398	0.391	0.407	0.382	0.391	2.57
29) C 2,4-Dichloroph...	0.280	0.283	0.300	0.317	0.311	0.331	0.308	0.304	6.00
30) 1,2,4-Trichlor...	0.353	0.340	0.352	0.359	0.347	0.368	0.343	0.352	2.72
31) Naphthalene	1.089	1.026	1.045	1.097	1.060	1.116	1.038	1.067	3.16
32) Benzoic acid		0.114	0.158	0.209	0.207	0.225	0.224	0.190	23.29
33) 4-Chloroaniline	0.387	0.387	0.421	0.441	0.430	0.451	0.418	0.419	5.92
34) C Hexachlorobuta...	0.254	0.228	0.230	0.246	0.235	0.247	0.231	0.239	4.25
35) Caprolactam	0.092	0.093	0.107	0.108	0.107	0.114	0.106	0.104	7.80
36) C 4-Chloro-3-met...	0.334	0.342	0.363	0.378	0.369	0.393	0.364	0.363	5.49
37) 2-Methylnaphth...	0.749	0.705	0.735	0.767	0.742	0.783	0.729	0.744	3.42
38) 1-Methylnaphth...	0.750	0.701	0.723	0.751	0.727	0.761	0.711	0.732	3.08

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.601	0.586	0.601	0.636	0.618	0.652	0.614	0.615	3.66
41) P	Hexachlorocycl...	0.156	0.211	0.274	0.281	0.304	0.301	0.255		23.04
42) S	2,4,6-Tribromo...	0.260	0.251	0.267	0.284	0.273	0.295	0.277	0.272	5.41
43) C	2,4,6-Trichlor...	0.356	0.364	0.388	0.420	0.413	0.440	0.413	0.399	7.72
44)	2,4,5-Trichlor...	0.395	0.406	0.438	0.472	0.455	0.483	0.460	0.444	7.41
45) S	2-Fluorobiphenyl	1.401	1.337	1.354	1.419	1.377	1.472	1.372	1.390	3.24
46)	1,1'-Biphenyl	1.478	1.429	1.437	1.503	1.480	1.553	1.445	1.475	2.96
47)	2-Chloronaphth...	1.166	1.089	1.132	1.177	1.159	1.215	1.141	1.154	3.41
48)	2-Nitroaniline	0.401	0.385	0.413	0.449	0.439	0.467	0.439	0.428	6.77
49)	Acenaphthylene	1.813	1.737	1.807	1.874	1.826	1.942	1.809	1.830	3.49
50)	Dimethylphthalate	1.578	1.458	1.506	1.542	1.495	1.585	1.479	1.520	3.21
51)	2,6-Dinitrotol...	0.299	0.311	0.319	0.335	0.325	0.350	0.329	0.324	5.12
52) C	Acenaphthene	1.122	1.058	1.094	1.132	1.097	1.172	1.091	1.110	3.27
53)	3-Nitroaniline	0.283	0.292	0.324	0.356	0.345	0.373	0.349	0.332	10.14
54) P	2,4-Dinitrophenol	0.123	0.160	0.190	0.193	0.215	0.208	0.181		18.99
55)	Dibenzofuran	1.808	1.716	1.767	1.813	1.758	1.872	1.751	1.784	2.89
56) P	4-Nitrophenol	0.189	0.233	0.264	0.257	0.277	0.269	0.248		13.15
57)	2,4-Dinitrotol...	0.409	0.411	0.444	0.477	0.462	0.496	0.459	0.451	7.22
58)	Fluorene	1.480	1.417	1.471	1.514	1.477	1.570	1.475	1.486	3.13
59)	2,3,4,6-Tetrac...	0.377	0.365	0.407	0.422	0.406	0.442	0.411	0.404	6.42
60)	Diethylphthalate	1.595	1.501	1.536	1.576	1.533	1.634	1.522	1.557	3.00
61)	4-Chlorophenyl...	0.744	0.738	0.749	0.772	0.748	0.790	0.741	0.754	2.55
62)	4-Nitroaniline	0.264	0.293	0.338	0.366	0.364	0.388	0.369	0.340	13.33
63)	Azobenzene	1.530	1.484	1.546	1.602	1.572	1.650	1.545	1.561	3.43
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.093	0.117	0.132	0.133	0.142	0.136	0.126		14.17
66) c	n-Nitrosodiphe...	0.571	0.546	0.570	0.601	0.594	0.626	0.580	0.584	4.43
67)	4-Bromophenyl-...	0.217	0.201	0.211	0.224	0.220	0.234	0.217	0.218	4.67
68)	Hexachlorobenzene	0.260	0.244	0.249	0.250	0.248	0.265	0.246	0.252	3.02
69)	Atrazine	0.210	0.202	0.204	0.211	0.207	0.217	0.203	0.208	2.55
70) C	Pentachlorophenol	0.102	0.128	0.145	0.144	0.156	0.148	0.137		14.22
71)	Phenanthrene	1.110	1.056	1.077	1.120	1.094	1.160	1.081	1.100	3.11
72)	Anthracene	1.048	0.994	1.042	1.090	1.074	1.145	1.051	1.063	4.41
73)	Carbazole	0.913	0.879	0.925	0.986	0.961	1.021	0.958	0.949	4.98
74)	Di-n-butylphth...	1.276	1.147	1.194	1.259	1.256	1.337	1.244	1.245	4.86
75) C	Fluoranthene	1.323	1.232	1.265	1.339	1.288	1.376	1.287	1.301	3.72
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.340	0.395	0.377	0.486	0.378	0.390	0.371	0.391	11.63
78)	Pyrene	1.351	1.283	1.329	1.350	1.351	1.432	1.349	1.349	3.27
79) S	Terphenyl-d14	1.051	1.015	1.047	1.072	1.073	1.141	1.087	1.070	3.67
80)	Butylbenzylpht...	0.566	0.530	0.560	0.587	0.583	0.626	0.597	0.578	5.28
81)	Benzo(a)anthra...	1.342	1.255	1.291	1.363	1.322	1.410	1.324	1.330	3.74
82)	3,3'-Dichlorob...	0.381	0.374	0.384	0.402	0.388	0.401	0.387	0.388	2.60
83)	Chrysene	1.322	1.226	1.231	1.270	1.264	1.325	1.250	1.270	3.16
84)	Bis(2-ethylhex...	0.822	0.763	0.784	0.830	0.830	0.883	0.838	0.821	4.70
85) c	Di-n-octyl pht...	1.379	1.282	1.332	1.398	1.380	1.479	1.412	1.380	4.50

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.416	1.341	1.395	1.492	1.478	1.579	1.486	1.455		5.36
88)	Benzo(b)fluora...	1.231	1.138	1.206	1.257	1.248	1.376	1.279	1.248		5.80
89)	Benzo(k)fluora...	1.260	1.215	1.240	1.308	1.301	1.328	1.252	1.272		3.22
90) C	Benzo(a)pyrene	1.019	0.955	1.012	1.075	1.062	1.134	1.056	1.045		5.42
91)	Dibenzo(a,h)an...	1.180	1.123	1.158	1.247	1.242	1.326	1.245	1.217		5.59
92)	Benzo(g,h,i)pe...	1.190	1.123	1.157	1.241	1.223	1.307	1.204	1.206		4.93

(#) = Out of Range