

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP110221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 02 19:18:55 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP007804.D 10 =BP007805.D 20 =BP007806.D 40 =BP007807.D 50 =BP007808.D 60 =BP007809.D 80 =BP007810.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.552	0.470	0.524	0.409	0.386	0.386	0.403	0.447	15.35
3)	Pyridine	1.569	1.366	1.531	1.226	1.129	1.159	1.179	1.308	13.93
4)	n-Nitrosodimet...	0.651	0.569	0.600	0.534	0.514	0.519	0.530	0.560	9.07
5) S	2-Fluorophenol	1.387	1.243	1.250	1.137	1.084	1.091	1.063	1.179	10.06
6)	Aniline	2.183	2.025	2.003	1.902	1.787	1.824	1.734	1.923	8.19
7) S	Phenol-d6	1.955	1.802	1.786	1.683	1.588	1.606	1.528	1.707	8.75
8)	2-Chlorophenol	1.486	1.390	1.349	1.268	1.216	1.222	1.166	1.300	8.74
9)	Benzaldehyde		1.131	1.061	0.876	0.806	0.766		0.928	17.27
10) C	Phenol	1.865	1.710	1.695	1.614	1.523	1.540	1.463	1.630	8.43
11)	bis(2-Chloroet...	1.523	1.406	1.368	1.277	1.193	1.198	1.143	1.301	10.53
12)	1,3-Dichlorobe...	1.700	1.592	1.481	1.397	1.334	1.347	1.267	1.445	10.71
13) C	1,4-Dichlorobe...	1.755	1.618	1.518	1.414	1.360	1.373	1.300	1.477	11.01
14)	1,2-Dichlorobe...	1.710	1.549	1.455	1.391	1.315	1.324	1.246	1.427	11.20
15)	Benzyl Alcohol	1.392	1.363	1.349	1.313	1.222	1.235	1.171	1.292	6.42
16)	2,2'-oxybis(1-...	1.828	1.716	1.558	1.491	1.391	1.393	1.299	1.525	12.47
17)	2-Methylphenol	1.260	1.191	1.186	1.123	1.060	1.069	1.002	1.127	7.99
18)	Hexachloroethane	0.585	0.548	0.508	0.505	0.484	0.485	0.460	0.511	8.33
19) P	n-Nitroso-di-n...	1.211	1.165	1.096	1.050	0.954	0.957	0.879	1.045	11.60
20)	3+4-Methylphenols	1.724	1.707	1.656	1.600	1.494	1.514	1.405	1.586	7.50
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.581	0.545	0.524	0.496	0.468	0.469	0.445	0.504	9.59
23) S	Nitrobenzene-d5	0.404	0.388	0.388	0.371	0.353	0.360	0.342	0.372	6.00
24)	Nitrobenzene	0.396	0.368	0.366	0.348	0.334	0.342	0.325	0.354	6.84
25)	Isophorone	0.734	0.715	0.698	0.681	0.636	0.653	0.620	0.677	6.24
26) C	2-Nitrophenol	0.177	0.172	0.185	0.185	0.176	0.183	0.177	0.179	2.83
27)	2,4-Dimethylph...	0.303	0.291	0.284	0.276	0.259	0.266	0.251	0.276	6.74
28)	bis(2-Chloroet...	0.523	0.484	0.458	0.442	0.412	0.415	0.394	0.446	10.17
29) C	2,4-Dichloroph...	0.351	0.339	0.338	0.336	0.319	0.327	0.312	0.332	3.99
30)	1,2,4-Trichlor...	0.425	0.385	0.371	0.362	0.345	0.353	0.340	0.369	7.95
31)	Naphthalene	1.173	1.083	1.020	0.986	0.944	0.961	0.916	1.012	8.85
32)	Benzoic acid	0.184	0.209	0.246	0.264	0.248	0.260	0.253	0.238	12.50
33)	4-Chloroaniline	0.492	0.465	0.456	0.443	0.422	0.430	0.412	0.446	6.19
34) C	Hexachlorobuta...	0.278	0.254	0.240	0.238	0.227	0.234	0.225	0.242	7.61
35)	Caprolactam	0.117	0.118	0.121	0.117	0.114	0.115	0.108	0.116	3.38
36) C	4-Chloro-3-met...	0.396	0.393	0.386	0.382	0.356	0.364	0.344	0.375	5.32
37)	2-Methylnaphth...	0.866	0.801	0.758	0.739	0.687	0.707	0.666	0.746	9.35
38)	1-Methylnaphth...	0.851	0.794	0.741	0.721	0.674	0.688	0.649	0.731	9.73

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.707	0.651	0.629	0.618	0.594	0.608	0.583	0.627	6.66
41) P	Hexachlorocycl...	0.319	0.314	0.326	0.356	0.339	0.347	0.349	0.336	4.77
42) S	2,4,6-Tribromo...	0.294	0.306	0.282	0.281	0.284	0.278	0.272	0.285	3.96
43) C	2,4,6-Trichlor...	0.452	0.446	0.443	0.447	0.426	0.434	0.417	0.438	2.87
44)	2,4,5-Trichlor...	0.500	0.487	0.477	0.481	0.461	0.464	0.450	0.474	3.58
45) S	2-Fluorobiphenyl	1.635	1.489	1.387	1.350	1.280	1.273	1.199	1.373	10.78
46)	1,1'-Biphenyl	1.676	1.555	1.463	1.421	1.336	1.359	1.299	1.444	9.26
47)	2-Chloronaphth...	1.295	1.191	1.133	1.110	1.051	1.061	1.014	1.122	8.57
48)	2-Nitroaniline	0.318	0.321	0.329	0.333	0.318	0.326	0.315	0.323	2.04
49)	Acenaphthylene	1.943	1.878	1.768	1.768	1.674	1.698	1.607	1.762	6.64
50)	Dimethylphthalate	1.751	1.678	1.574	1.526	1.435	1.458	1.383	1.544	8.66
51)	2,6-Dinitrotol...	0.326	0.331	0.329	0.326	0.311	0.313	0.300	0.319	3.69
52) C	Acenaphthene	1.229	1.143	1.066	1.049	0.997	1.011	0.956	1.064	8.81
53)	3-Nitroaniline	0.349	0.346	0.346	0.347	0.333	0.341	0.322	0.341	2.89
54) P	2,4-Dinitrophenol	0.165	0.170	0.195	0.209	0.206	0.215	0.214	0.196	10.72
55)	Dibenzofuran	2.129	1.979	1.733	1.776	1.691	1.697	1.598	1.800	10.36
56) P	4-Nitrophenol	0.285	0.290	0.299	0.296	0.286	0.291	0.277	0.289	2.54
57)	2,4-Dinitrotol...	0.430	0.449	0.433	0.456	0.438	0.447	0.423	0.439	2.71
58)	Fluorene	1.587	1.527	1.342	1.371	1.298	1.254	1.180	1.366	10.65
59)	2,3,4,6-Tetrac...	0.442	0.455	0.424	0.438	0.417	0.421	0.392	0.427	4.78
60)	Diethylphthalate	1.651	1.672	1.481	1.516	1.446	1.395	1.329	1.499	8.44
61)	4-Chlorophenyl...	0.872	0.840	0.731	0.746	0.704	0.679	0.649	0.746	11.03
62)	4-Nitroaniline	0.345	0.358	0.344	0.360	0.349	0.344	0.321	0.346	3.72
63)	Azobenzene	1.389	1.403	1.262	1.249	1.240	1.190	1.122	1.265	8.01
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.114	0.122	0.134	0.145	0.131	0.137	0.133	0.131	7.82
66) c	n-Nitrosodiphe...	0.655	0.619	0.577	0.562	0.529	0.532	0.511	0.569	9.16
67)	4-Bromophenyl-...	0.246	0.238	0.224	0.220	0.206	0.210	0.206	0.221	7.09
68)	Hexachlorobenzene	0.282	0.263	0.249	0.245	0.229	0.234	0.227	0.247	8.11
69)	Atrazine	0.250	0.233	0.222	0.220	0.204	0.205	0.192	0.218	9.02
70) C	Pentachlorophenol	0.151	0.155	0.159	0.167	0.159	0.163	0.157	0.159	3.31
71)	Phenanthrene	1.230	1.130	1.058	1.036	0.977	0.985	0.944	1.051	9.50
72)	Anthracene	1.197	1.113	1.043	1.021	0.964	0.976	0.928	1.035	9.05
73)	Carbazole	1.186	1.112	1.049	1.004	0.961	0.975	0.912	1.029	9.19
74)	Di-n-butylphth...	1.288	1.235	1.188	1.162	1.118	1.138	1.072	1.171	6.21
75) C	Fluoranthene	1.557	1.434	1.338	1.285	1.240	1.247	1.182	1.326	9.80
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.469	0.558	0.513	0.565	0.475	0.490	0.459	0.504	8.54
78)	Pyrene	1.371	1.316	1.228	1.231	1.138	1.179	1.123	1.227	7.42
79) S	Terphenyl-d14	1.164	1.075	0.985	0.970	0.894	0.919	0.868	0.982	10.72
80)	Butylbenzylpht...	0.536	0.526	0.511	0.524	0.497	0.516	0.498	0.516	2.81
81)	Benzo(a)anthra...	1.513	1.400	1.317	1.300	1.227	1.266	1.200	1.318	8.20
82)	3,3'-Dichlorob...	0.493	0.463	0.449	0.445	0.415	0.427	0.405	0.442	6.76
83)	Chrysene	1.443	1.325	1.245	1.227	1.170	1.191	1.131	1.247	8.49
84)	Bis(2-ethylhex...	0.823	0.764	0.740	0.741	0.698	0.718	0.693	0.739	6.04
85) c	Di-n-octyl pht...	1.398	1.321	1.323	1.353	1.289	1.335	1.292	1.330	2.82

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.722	1.532	1.496	1.470	1.420	1.412	1.384	1.491	7.67	
88)	Benzo(b)fluora...	1.314	1.231	1.174	1.175	1.104	1.173	1.081	1.179	6.60	
89)	Benzo(k)fluora...	1.375	1.232	1.179	1.152	1.088	1.090	1.075	1.170	9.13	
90) C	Benzo(a)pyrene	1.152	1.070	1.014	1.013	0.960	0.989	0.948	1.021	6.90	
91)	Dibenzo(a,h)an...	1.443	1.273	1.253	1.211	1.172	1.161	1.138	1.236	8.37	
92)	Benzo(g,h,i)pe...	1.415	1.254	1.246	1.204	1.179	1.151	1.133	1.226	7.73	

(#) = Out of Range