

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP041521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Apr 16 11:02:58 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP005300.D 10 =BP005301.D 20 =BP005302.D 40 =BP005303.D 50 =BP005304.D 60 =BP005305.D 80 =BP005306.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	1.024	0.940	0.885	0.829	0.753	0.703	0.704	0.834	14.76
3)	Pyridine	2.398	2.012	2.121	1.948	1.887	1.727	1.806	1.986	11.24
4)	n-Nitrosodimet...	0.676	0.619	0.601	0.564	0.528	0.490	0.527	0.572	11.21
5) S	2-Fluorophenol	1.591	1.665	1.699	1.686	1.624	1.576	1.641	1.640	2.83
6)	Aniline	1.369	1.469	1.828	2.033	1.963	1.908	2.032	1.800	15.08
7) S	Phenol-d6	1.571	1.775	2.022	2.028	1.974	1.896	2.013	1.897	8.96
8)	2-Chlorophenol	1.067	1.168	1.355	1.371	1.345	1.321	1.436	1.295	10.00
9)	Benzaldehyde	1.096	1.098	1.130	1.062	0.960	0.871	0.782	1.000	13.25
10) C	Phenol	1.662	1.792	2.012	2.025	1.964	1.885	2.007	1.907	7.16
11)	bis(2-Chloroet...	1.173	1.280	1.477	1.484	1.441	1.381	1.470	1.387	8.55
12)	1,3-Dichlorobe...	1.487	1.594	1.631	1.603	1.529	1.480	1.568	1.556	3.77
13) C	1,4-Dichlorobe...	1.388	1.581	1.626	1.545	1.521	1.474	1.555	1.527	5.06
14)	1,2-Dichlorobe...	1.391	1.509	1.572	1.495	1.445	1.386	1.459	1.465	4.53
15)	Benzyl Alcohol	0.763	0.775	0.922	1.044	1.065	1.035	1.143	0.964	15.36
16)	2,2'-oxybis(1-...	0.646	0.762	0.899	0.901	0.900	0.858	0.940	0.844	12.32
17)	2-Methylphenol	0.721	0.788	0.953	1.028	1.023	1.016	1.080	0.944	14.41
18)	Hexachloroethane	0.690	0.678	0.693	0.642	0.608	0.568	0.600	0.640	7.73
19) P	n-Nitroso-di-n...	0.723	0.835	1.039	1.093	1.079	1.026	1.117	0.987	15.12
20)	3+4-Methylphenols	0.877	0.983	1.218	1.339	1.320	1.298	1.414	1.207	16.59
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.671	0.814	0.860	0.804	0.760	0.756	0.817	0.783	7.78
23) S	Nitrobenzene-d5	0.586	0.664	0.708	0.667	0.621	0.614	0.673	0.648	6.48
24)	Nitrobenzene	0.619	0.701	0.716	0.668	0.625	0.620	0.669	0.660	6.02
25)	Isophorone	0.544	0.636	0.833	0.915	0.899	0.913		0.790	20.29
26) C	2-Nitrophenol	0.129	0.144	0.158	0.170	0.168	0.170	0.197	0.162	13.26
27)	2,4-Dimethylph...	0.202	0.236	0.277	0.292	0.291	0.291	0.320	0.273	14.76
28)	bis(2-Chloroet...	0.297	0.348	0.424	0.472	0.456	0.460	0.518	0.425	18.06
29) C	2,4-Dichloroph...	0.236	0.244	0.305	0.334	0.331	0.333	0.378	0.309	16.70
30)	1,2,4-Trichlor...	0.347	0.394	0.427	0.412	0.403	0.403	0.447	0.405	7.66
31)	Naphthalene	1.007	1.105	1.240	1.210	1.151	1.153	1.254	1.160	7.40
32)	Benzoic acid	0.154	0.145	0.155	0.159	0.163	0.166	0.187	0.161	8.09
33)	4-Chloroaniline	0.279	0.305	0.386	0.423	0.408	0.411	0.462	0.382	17.27
34) C	Hexachlorobuta...	0.323	0.354	0.360	0.320	0.295	0.297	0.325	0.325	7.69
35)	Caprolactam	0.065	0.070	0.089	0.093	0.094	0.097	0.109	0.088	17.68
36) C	4-Chloro-3-met...	0.265	0.274	0.381	0.409	0.411	0.410		0.358	19.49
37)	2-Methylnaphth...	0.509	0.531	0.738	0.789	0.775	0.782	0.864	0.712	19.24
38)	1-Methylnaphth...	0.449	0.558	0.743	0.761	0.747	0.740	0.825	0.689	19.39

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.594	0.650	0.735	0.760	0.702	0.726	0.766	0.705	8.85
41) P	Hexachlorocycl...	0.100	0.169	0.227	0.235	0.263		0.199		32.73
42) S	2,4,6-Tribromo...	0.191	0.219	0.280	0.294	0.279	0.287	0.312	0.266	16.48
43) C	2,4,6-Trichlor...	0.301	0.293	0.373	0.423	0.402	0.424	0.464	0.383	16.88
44)	2,4,5-Trichlor...	0.344	0.351	0.422	0.477	0.448	0.467	0.505	0.431	14.44
45) S	2-Fluorobiphenyl	1.142	1.391	1.624	1.636	1.509	1.567	1.671	1.506	12.35
46)	1,1'-Biphenyl	1.137	1.248	1.533	1.597	1.482	1.540	1.644	1.454	12.97
47)	2-Chloronaphth...	0.902	1.082	1.282	1.305	1.209	1.254	1.321	1.193	12.70
48)	2-Nitroaniline	0.220	0.224	0.316	0.392	0.386	0.408		0.324	26.35
49)	Acenaphthylene	1.276	1.495	1.884	1.971	1.834	1.894	2.011	1.766	15.50
50)	Dimethylphthalate	0.926	0.985	1.336	1.488	1.408	1.460	1.584	1.312	19.49
51)	2,6-Dinitrotol...	0.246	0.279	0.345	0.364	0.342	0.357	0.379	0.330	14.86
52) C	Acenaphthene	0.909	1.066	1.218	1.248	1.152	1.178	1.247	1.145	10.67
53)	3-Nitroaniline	0.193	0.201	0.263	0.306	0.289	0.314		0.261	20.08
54) P	2,4-Dinitrophenol	0.111	0.139	0.166	0.164	0.173	0.199	0.159		19.04
55)	Dibenzofuran	1.622	1.949	2.197	2.160	1.997	2.038	2.165	2.018	9.83
56) P	4-Nitrophenol	0.136	0.205	0.236	0.230	0.241	0.266	0.219		20.58
57)	2,4-Dinitrotol...	0.287	0.375	0.478	0.517	0.492	0.512	0.556	0.460	20.58
58)	Fluorene	1.212	1.466	1.725	1.762	1.619	1.671	1.779	1.605	12.65
59)	2,3,4,6-Tetrac...	0.289	0.325	0.397	0.440	0.422	0.436	0.465	0.396	16.48
60)	Diethylphthalate	0.835	0.920	1.279	1.489	1.438	1.481	1.613	1.293	23.31
61)	4-Chlorophenyl...	0.603	0.750	0.894	0.924	0.879	0.893	0.953	0.842	14.65
62)	4-Nitroaniline	0.180	0.198	0.259	0.306	0.302	0.303	0.330	0.268	21.69
63)	Azobenzene	1.200	1.671	2.207	2.269	2.097	2.133	2.237	1.973	20.08
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.078	0.102	0.116	0.130	0.127	0.129	0.144	0.118	18.66
66) c	n-Nitrosodiphe...	0.388	0.553	0.636	0.639	0.625	0.626	0.667	0.590	16.22
67)	4-Bromophenyl-...	0.141	0.164	0.224	0.252	0.242	0.247	0.264	0.219	21.60
68)	Hexachlorobenzene	0.234	0.270	0.290	0.294	0.274	0.279	0.297	0.277	7.73
69)	Atrazine	0.136	0.146	0.165	0.200	0.200	0.204	0.221	0.182	18.00
70) C	Pentachlorophenol	0.087	0.116	0.139	0.139	0.144	0.161	0.131		19.74
71)	Phenanthrene	0.997	1.200	1.293	1.253	1.182	1.193	1.255	1.196	8.08
72)	Anthracene	0.758	1.032	1.191	1.220	1.154	1.169	1.234	1.108	15.15
73)	Carbazole	0.723	0.927	1.119	1.132	1.066	1.090	1.154	1.030	15.00
74)	Di-n-butylphth...	0.705	0.698	0.859	1.039	1.036	1.064		0.900	18.93
75) C	Fluoranthene	1.102	1.251	1.493	1.525	1.437	1.465	1.565	1.405	11.90
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.218	0.224	0.215	0.279	0.257	0.268	0.271	0.247	11.07
78)	Pyrene	0.822	0.975	1.196	1.218	1.218	1.231	1.330	1.141	15.50
79) S	Terphenyl-d14	0.786	0.910	1.053	1.048	1.062	1.063	1.166	1.013	12.30
80)	Butylbenzylpht...	0.226	0.214	0.249	0.280	0.290	0.304	0.341	0.272	16.56
81)	Benzo(a)anthra...	1.172	1.235	1.337	1.267	1.277	1.279	1.365	1.276	4.99
82)	3,3'-Dichlorob...	0.238	0.265	0.305	0.336	0.346	0.346	0.373	0.315	15.48
83)	Chrysene	1.149	1.248	1.316	1.268	1.258	1.253	1.349	1.263	4.97
84)	Bis(2-ethylhex...	0.352	0.359	0.424	0.461	0.514	0.504	0.582	0.457	18.54
85) c	Di-n-octyl pht...	0.688	0.704	0.812	0.859	0.911	0.909	1.039	0.846	14.63

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.394	1.464	1.572	1.514	1.459	1.466	1.595	1.495		4.70
88)	Benzo(b)fluora...	1.144	1.263	1.401	1.387	1.363	1.365	1.460	1.340		7.82
89)	Benzo(k)fluora...	1.104	1.239	1.402	1.368	1.304	1.331	1.454	1.315		8.82
90) C	Benzo(a)pyrene	1.083	1.168	1.301	1.258	1.233	1.229	1.329	1.229		6.73
91)	Dibenzo(a,h)an...	1.192	1.300	1.356	1.312	1.264	1.286	1.391	1.300		4.95
92)	Benzo(g,h,i)pe...	1.183	1.254	1.295	1.245	1.188	1.190	1.280	1.234		3.77

(#) = Out of Range