

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP073020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

5 =BP002871.D 10 =BP002872.D 20 =BP002873.D 40 =BP002874.D 50 =BP002875.D 60 =BP002876.D 80 =BP002877.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.556	0.564	0.579	0.573	0.556	0.556	0.542	0.561	2.21
3)	Pyridine	1.455	1.540	1.610	1.617	1.581	1.578	1.558	1.563	3.49
4)	n-Nitrosodimet...	0.429	0.457	0.467	0.479	0.462	0.462	0.457	0.459	3.32
5) S	2-Fluorophenol	1.281	1.302	1.339	1.345	1.309	1.298	1.273	1.307	2.08
6)	Aniline	2.052	2.118	2.165	2.169	2.109	2.077	2.046	2.105	2.37
7) S	Phenol-d6	1.760	1.822	1.868	1.887	1.823	1.788	1.751	1.814	2.84
8)	2-Chlorophenol	1.365	1.403	1.434	1.439	1.393	1.376	1.343	1.393	2.54
9)	Benzaldehyde	1.036	1.052	1.045	0.991	0.924	0.889	0.825	0.966	9.16
10) C	Phenol	1.806	1.831	1.878	1.885	1.829	1.798	1.764	1.827	2.37
11)	bis(2-Chloroet...	1.392	1.433	1.437	1.456	1.394	1.371	1.355	1.405	2.66
12)	1,3-Dichlorobe...	1.573	1.617	1.628	1.604	1.553	1.538	1.494	1.573	3.05
13) C	1,4-Dichlorobe...	1.610	1.623	1.648	1.630	1.567	1.540	1.508	1.590	3.27
14)	1,2-Dichlorobe...	1.546	1.566	1.581	1.554	1.492	1.452	1.420	1.516	4.09
15)	Benzyl Alcohol	1.128	1.151	1.210	1.254	1.228	1.209	1.199	1.197	3.65
16)	2,2'-oxybis(1-...	1.326	1.383	1.374	1.359	1.304	1.262	1.234	1.320	4.30
17)	2-Methylphenol	1.147	1.168	1.199	1.211	1.173	1.149	1.127	1.168	2.55
18)	Hexachloroethane	0.538	0.555	0.564	0.567	0.559	0.556	0.543	0.554	1.94
19) P	n-Nitroso-di-n...	0.997	1.051	1.078	1.100	1.054	1.031	1.007	1.045	3.54
20)	3+4-Methylphenols	1.504	1.552	1.608	1.644	1.593	1.566	1.549	1.574	2.89
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.526	0.554	0.576	0.585	0.574	0.568	0.567	0.564	3.45
23) S	Nitrobenzene-d5	0.314	0.338	0.365	0.389	0.389	0.394	0.397	0.369	8.71
24)	Nitrobenzene	0.349	0.374	0.398	0.421	0.420	0.420	0.423	0.401	7.24
25)	Isophorone	0.698	0.759	0.798	0.829	0.825	0.820	0.825	0.793	6.18
26) C	2-Nitrophenol	0.104	0.113	0.131	0.154	0.163	0.169	0.180	0.145	20.25
27)	2,4-Dimethylph...	0.278	0.301	0.315	0.328	0.329	0.329	0.331	0.316	6.30
28)	bis(2-Chloroet...	0.407	0.427	0.446	0.455	0.453	0.455	0.455	0.443	4.25
29) C	2,4-Dichloroph...	0.284	0.308	0.327	0.348	0.350	0.352	0.359	0.332	8.32
30)	1,2,4-Trichlor...	0.366	0.379	0.389	0.399	0.394	0.396	0.398	0.389	3.14
31)	Naphthalene	1.098	1.154	1.170	1.175	1.150	1.138	1.128	1.145	2.31
32)	Benzoic acid		0.105	0.134	0.164	0.180	0.192	0.206	0.164	23.24
33)	4-Chloroaniline	0.431	0.462	0.478	0.491	0.485	0.484	0.490	0.474	4.59
34) C	Hexachlorobuta...	0.221	0.231	0.238	0.245	0.242	0.243	0.245	0.238	3.77
35)	Caprolactam	0.079	0.088	0.101	0.109	0.112	0.114	0.117	0.103	14.12
36) C	4-Chloro-3-met...	0.295	0.320	0.340	0.360	0.366	0.366	0.373	0.346	8.43
37)	2-Methylnaphth...	0.765	0.805	0.823	0.840	0.828	0.821	0.819	0.814	2.98
38)	1-Methylnaphth...	0.725	0.758	0.778	0.788	0.778	0.773	0.767	0.767	2.70

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.665	0.705	0.718	0.746	0.734	0.730	0.736	0.719	3.83	
41) P	Hexachlorocycl...	0.309	0.327	0.359	0.399	0.398	0.405	0.414	0.373	11.21	
42) S	2,4,6-Tribromo...	0.204	0.221	0.243	0.265	0.262	0.269	0.275	0.249	10.82	
43) C	2,4,6-Trichlor...	0.346	0.373	0.408	0.441	0.441	0.449	0.460	0.417	10.31	
44)	2,4,5-Trichlor...	0.385	0.416	0.450	0.481	0.479	0.490	0.498	0.457	9.28	
45) S	2-Fluorobiphenyl	1.477	1.533	1.546	1.514	1.447	1.405	1.324	1.464	5.40	
46)	1,1'-Biphenyl	1.603	1.677	1.689	1.710	1.650	1.636	1.608	1.653	2.47	
47)	2-Chloronaphth...	1.250	1.300	1.324	1.345	1.289	1.281	1.274	1.295	2.47	
48)	2-Nitroaniline	0.192	0.216	0.263	0.308	0.317	0.330	0.340	0.281	20.79	
49)	Acenaphthylene	1.914	2.004	2.078	2.110	2.054	2.029	2.024	2.030	3.07	
50)	Dimethylphthalate	1.455	1.553	1.590	1.613	1.587	1.581	1.571	1.564	3.29	
51)	2,6-Dinitrotol...	0.227	0.266	0.312	0.342	0.348	0.359	0.365	0.317	16.45	
52) C	Acenaphthene	1.212	1.277	1.311	1.350	1.333	1.327	1.324	1.305	3.57	
53)	3-Nitroaniline	0.229	0.274	0.322	0.356	0.363	0.375	0.387	0.330	17.73	
54) P	2,4-Dinitrophenol		0.077	0.096	0.122	0.131	0.142	0.154	0.120	24.10	
55)	Dibenzofuran	1.961	2.043	2.048	2.056	1.990	1.970	1.943	2.002	2.33	
56) P	4-Nitrophenol		0.212	0.252	0.286	0.295	0.304	0.314	0.277	13.82	
57)	2,4-Dinitrotol...	0.255	0.316	0.388	0.446	0.459	0.473	0.487	0.403	21.84	
58)	Fluorene	1.522	1.602	1.646	1.629	1.561	1.539	1.472	1.567	3.96	
59)	2,3,4,6-Tetrac...	0.310	0.351	0.366	0.399	0.401	0.417	0.427	0.381	10.89	
60)	Diethylphthalate	1.433	1.504	1.548	1.578	1.559	1.546	1.531	1.529	3.15	
61)	4-Chlorophenyl...	0.780	0.810	0.834	0.837	0.810	0.797	0.777	0.807	2.91	
62)	4-Nitroaniline	0.229	0.279	0.329	0.362	0.363	0.368	0.370	0.328	16.69	
63)	Azobenzene	1.424	1.545	1.587	1.601	1.551	1.545	1.519	1.539	3.74	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.061	0.078	0.096	0.102	0.106	0.114	0.093		21.27	
66) c	n-Nitrosodiphe...	0.619	0.661	0.677	0.691	0.676	0.658	0.654	0.662	3.45	
67)	4-Bromophenyl-...	0.220	0.234	0.242	0.251	0.251	0.250	0.257	0.243	5.30	
68)	Hexachlorobenzene	0.260	0.271	0.284	0.290	0.286	0.286	0.292	0.281	4.06	
69)	Atrazine	0.193	0.209	0.226	0.237	0.234	0.234	0.237	0.224	7.54	
70) C	Pentachlorophenol		0.118	0.132	0.149	0.154	0.158	0.165	0.146	12.22	
71)	Phenanthrene	1.139	1.188	1.212	1.212	1.185	1.146	1.127	1.173	3.01	
72)	Anthracene	1.089	1.154	1.185	1.192	1.166	1.127	1.110	1.146	3.37	
73)	Carbazole	1.060	1.130	1.161	1.165	1.132	1.099	1.089	1.119	3.45	
74)	Di-n-butylphth...	1.026	1.138	1.211	1.266	1.230	1.201	1.172	1.178	6.64	
75) C	Fluoranthene	1.289	1.353	1.403	1.410	1.379	1.331	1.294	1.351	3.65	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.500	0.559	0.635	0.640	0.642	0.615	0.677	0.610	9.88	
78)	Pyrene	1.303	1.399	1.424	1.451	1.428	1.397	1.384	1.398	3.41	
79) S	Terphenyl-d14	1.028	1.103	1.109	1.041	0.971	0.914	0.827	0.999	10.27	
80)	Butylbenzylpht...	0.367	0.431	0.490	0.551	0.563	0.574	0.590	0.509	16.45	
81)	Benzo(a)anthra...	1.298	1.370	1.419	1.414	1.374	1.342	1.319	1.362	3.35	
82)	3,3'-Dichlorob...	0.405	0.474	0.523	0.581	0.591	0.597	0.603	0.539	14.04	
83)	Chrysene	1.238	1.300	1.343	1.338	1.304	1.260	1.214	1.285	3.84	
84)	Bis(2-ethylhex...	0.592	0.690	0.781	0.837	0.842	0.835	0.839	0.774	12.58	
85) c	Di-n-octyl pht...		1.029	1.202	1.344	1.345	1.354	1.353	1.271	10.41	

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

87)	Indeno(1,2,3-c...	1.355	1.473	1.597	1.697	1.689	1.690	1.711	1.602	8.61
88)	Benzo(b)fluora...	1.264	1.327	1.404	1.505	1.439	1.472	1.468	1.411	6.14
89)	Benzo(k)fluora...	1.185	1.300	1.394	1.411	1.402	1.331	1.314	1.334	5.96
90) C	Benzo(a)pyrene	1.097	1.185	1.275	1.360	1.333	1.327	1.348	1.275	7.74
91)	Dibenzo(a,h)an...	1.165	1.275	1.372	1.455	1.432	1.424	1.420	1.363	7.77
92)	Benzo(g,h,i)pe...	1.137	1.218	1.302	1.384	1.382	1.383	1.422	1.318	7.98

(#) = Out of Range