

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP060520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BP002369.D 20 =BP002370.D 40 =BP002371.D 50 =BP002372.D 60 =BP002373.D 80 =BP002374.D 100 =BP002375.D

Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.516	0.576	0.508	0.472	0.489	0.472	0.453	0.498	8.20
3) Pyridine	1.420	1.681	1.359	1.245	1.309	1.249	1.209	1.353	11.97
4) n-Nitrosodimet...	0.542	0.626	0.588	0.528	0.547	0.546	0.525	0.558	6.59
5) S 2-Fluorophenol	1.131	1.285	1.122	1.034	1.052	1.000	0.940	1.081	10.38
6) Aniline	1.936	2.341	2.071	1.846	1.893	1.858	1.754	1.957	9.96
7) S Phenol-d6	1.481	1.744	1.514	1.358	1.394	1.334	1.248	1.439	11.21
8) 2-Chlorophenol	1.246	1.447	1.287	1.155	1.180	1.128	1.064	1.215	10.34
9) Benzaldehyde	0.976	0.962	0.806	0.683	0.650	0.573	0.495	0.735	25.32
10) C Phenol	1.578	1.854	1.643	1.483	1.530	1.467	1.371	1.561	9.96
11) bis(2-Chloroet...	1.343	1.554	1.366	1.235	1.254	1.221	1.149	1.303	10.21
12) 1,3-Dichlorobe...	1.483	1.688	1.450	1.320	1.342	1.290	1.222	1.399	11.15
13) C 1,4-Dichlorobe...	1.479	1.701	1.473	1.328	1.357	1.300	1.217	1.408	11.32
14) 1,2-Dichlorobe...	1.434	1.636	1.411	1.279	1.299	1.235	1.147	1.349	11.92
15) Benzyl Alcohol	1.049	1.319	1.198	1.055	1.085	1.083	1.019	1.115	9.51
16) 2,2'-oxybis(1-...	1.917	2.217	1.928	1.749	1.776	1.733	1.623	1.849	10.50
17) 2-Methylphenol	1.161	1.378	1.209	1.072	1.100	1.065	0.998	1.140	10.96
18) Hexachloroethane	0.528	0.602	0.531	0.490	0.500	0.482	0.458	0.513	9.18
19) P n-Nitroso-di-n...	0.989	1.184	1.019	0.918	0.921	0.883	0.819	0.962	12.27
20) 3+4-Methylphenols	1.538	1.851	1.645	1.455	1.485	1.452	1.348	1.539	10.68
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.475	0.545	0.458	0.436	0.432	0.413	0.387	0.449	11.35
23) S Nitrobenzene-d5	0.331	0.393	0.343	0.324	0.330	0.320	0.304	0.335	8.46
24) Nitrobenzene	0.352	0.419	0.369	0.348	0.354	0.346	0.332	0.360	7.87
25) Isophorone	0.685	0.813	0.706	0.651	0.657	0.647	0.616	0.682	9.43
26) C 2-Nitrophenol	0.140	0.180	0.168	0.156	0.161	0.162	0.156	0.160	7.73
27) 2,4-Dimethylph...	0.252	0.297	0.260	0.240	0.246	0.239	0.229	0.252	8.82
28) bis(2-Chloroet...	0.418	0.482	0.415	0.390	0.393	0.384	0.362	0.406	9.50
29) C 2,4-Dichloroph...	0.281	0.336	0.291	0.271	0.276	0.270	0.258	0.283	8.99
30) 1,2,4-Trichlor...	0.331	0.376	0.322	0.301	0.304	0.295	0.281	0.316	9.92
31) Naphthalene	0.994	1.125	0.940	0.889	0.896	0.858	0.802	0.929	11.32
32) Benzoic acid	0.091	0.184	0.221	0.198	0.208	0.223	0.216	0.191	24.28
33) 4-Chloroaniline	0.403	0.483	0.423	0.390	0.391	0.387	0.363	0.406	9.55
34) C Hexachlorobuta...	0.189	0.216	0.185	0.177	0.180	0.174	0.169	0.184	8.44
35) Caprolactam	0.090	0.115	0.109	0.095	0.097	0.099	0.095	0.100	8.75
36) C 4-Chloro-3-met...	0.299	0.368	0.322	0.290	0.297	0.292	0.277	0.307	9.94
37) 2-Methylnaphth...	0.712	0.797	0.674	0.627	0.631	0.607	0.567	0.659	11.56
38) 1-Methylnaphth...	0.671	0.751	0.633	0.590	0.589	0.567	0.532	0.619	11.87

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-----ISTD-----										
39) I	Acenaphthene-d10									
40)	1,2,4,5-Tetrac...	0.559	0.618	0.534	0.509	0.512	0.492	0.467	0.527	9.42
41) P	Hexachlorocycl...	0.242	0.301	0.293	0.279	0.286	0.287	0.275	0.280	6.74
42) S	2,4,6-Tribromo...	0.206	0.235	0.199	0.186	0.185	0.172	0.158	0.191	13.05
43) C	2,4,6-Trichlor...	0.365	0.430	0.388	0.358	0.366	0.361	0.344	0.373	7.57
44)	2,4,5-Trichlor...	0.420	0.501	0.451	0.416	0.423	0.415	0.398	0.432	7.92
45) S	2-Fluorobiphenyl	1.344	1.451	1.144	1.107	1.090	1.000		1.189	14.42
46)	1,1'-Biphenyl	1.431	1.591	1.329	1.254	1.254	1.197	1.118	1.311	12.05
47)	2-Chloronaphth...	1.171	1.288	1.081	1.024	1.030	0.986	0.924	1.072	11.43
48)	2-Nitroaniline	0.291	0.384	0.365	0.332	0.347	0.345	0.332	0.342	8.62
49)	Acenaphthylene	1.818	2.077	1.763	1.640	1.638	1.582	1.461	1.711	11.62
50)	Dimethylphthalate	1.462	1.650	1.412	1.305	1.317	1.265	1.181	1.370	11.25
51)	2,6-Dinitrotol...	0.276	0.341	0.315	0.288	0.293	0.293	0.278	0.298	7.72
52) C	Acenaphthene	1.094	1.224	1.014	0.959	0.960	0.914	0.852	1.002	12.32
53)	3-Nitroaniline	0.309	0.400	0.363	0.327	0.335	0.331	0.314	0.340	9.37
54) P	2,4-Dinitrophenol	0.109	0.164	0.181	0.163	0.170	0.180	0.175	0.163	15.28
55)	Dibenzofuran	1.789	1.989	1.661	1.548	1.537	1.446	1.328	1.614	13.70
56) P	4-Nitrophenol	0.227	0.312	0.297	0.261	0.272	0.267	0.253	0.270	10.36
57)	2,4-Dinitrotol...	0.364	0.467	0.440	0.397	0.401	0.396	0.371	0.405	9.09
58)	Fluorene	1.411	1.528	1.177	1.132	1.099			1.270	14.90
59)	2,3,4,6-Tetrac...	0.338	0.404	0.363	0.337	0.339	0.321	0.298	0.343	9.71
60)	Diethylphthalate	1.468	1.676	1.426	1.323	1.308	1.257	1.154	1.373	12.34
61)	4-Chlorophenyl...	0.747	0.798	0.613	0.593	0.578	0.518	0.461	0.615	19.42
62)	4-Nitroaniline	0.309	0.385	0.349	0.318	0.320	0.314	0.292	0.327	9.45
63)	Azobenzene	1.459	1.677	1.395	1.318	1.309	1.252	1.157	1.367	12.27
-----ISTD-----										
64) I	Phenanthrene-d10									
65)	4,6-Dinitro-2-...	0.080	0.116	0.113	0.104	0.109	0.111	0.106	0.106	11.29
66) c	n-Nitrosodipe...	0.567	0.633	0.511	0.491	0.490	0.459	0.426	0.511	13.55
67)	4-Bromophenyl-...	0.197	0.229	0.193	0.182	0.183	0.176	0.165	0.189	10.80
68)	Hexachlorobenzene	0.220	0.242	0.202	0.192	0.193	0.183	0.174	0.201	11.65
69)	Atrazine	0.178	0.197	0.174	0.157	0.156	0.138		0.167	12.42
70) C	Pentachlorophenol	0.103	0.133	0.131	0.121	0.122	0.119	0.112	0.120	8.49
71)	Phenanthrene	1.050	1.167	0.940	0.897	0.896	0.832	0.767	0.936	14.41
72)	Anthracene	1.026	1.163	0.930	0.899	0.893	0.829	0.765	0.929	14.12
73)	Carbazole	1.003	1.143	0.930	0.881	0.878	0.811	0.753	0.914	14.07
74)	Di-n-butylphth...	1.146	1.354	1.106	1.058	1.044	0.969	0.897	1.082	13.48
75) C	Fluoranthene	1.236	1.398	1.143	1.092	1.061	0.984	0.904	1.117	14.66
-----ISTD-----										
76) I	Chrysene-d12									
77)	Benzidine	0.427	0.523	0.499	0.445	0.439	0.396	0.400	0.447	10.70
78)	Pyrene	1.205	1.478	1.283	1.147	1.175	1.167	1.120	1.225	10.04
79) S	Terphenyl-d14		1.046	0.784	0.731	0.725	0.674	0.619	0.763	19.59
80)	Butylbenzylpht...	0.494	0.633	0.584	0.528	0.529	0.531	0.512	0.545	8.76
81)	Benzo(a)anthra...	1.207	1.385	1.178	1.080	1.103	1.045	0.994	1.142	11.38
82)	3,3'-Dichlorob...	0.417	0.498	0.464	0.417	0.415	0.394	0.365	0.424	10.45
83)	Chrysene	1.174	1.333	1.111	1.035	1.034	0.977	0.907	1.082	13.01
84)	Bis(2-ethylhex...	0.804	0.959	0.831	0.765	0.767	0.731	0.687	0.792	10.98
85) c	Di-n-octyl pht...	1.387	1.641	1.467	1.343	1.364	1.296	1.228	1.389	9.59

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86) I Perylene-d12 -----ISTD-----
87) Indeno(1,2,3-c... 1.314 1.509 1.278 1.190 1.208 1.153 1.105 1.251 10.71
88) Benzo(b)fluora... 1.112 1.345 1.143 1.021 1.007 0.989 0.932 1.079 12.79
89) Benzo(k)fluora... 1.128 1.261 1.012 1.009 0.999 0.917 0.847 1.025 13.27
90) C Benzo(a)pyrene 1.049 1.228 1.041 0.972 0.973 0.935 0.878 1.011 11.14
91) Dibenzo(a,h)an... 1.074 1.240 1.029 0.959 0.966 0.905 0.851 1.003 12.75
92) Benzo(g,h,i)pe... 1.054 1.221 1.072 0.988 1.006 0.988 0.947 1.039 8.72

(#) = Out of Range