

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP052720.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

CalibrationFiles

10 =BP002291.D 20 =BP002292.D 40 =BP002298.D =BP002294.D 60 =BP002295.D 80 =BP002296.D 100 =BP002297.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.523	0.588	0.527	0.429	0.464	0.458	0.439	0.490	11.78
3)	Pyridine	1.431	1.710	1.449	1.266	1.385	1.382	1.188	1.402	11.76
4)	n-Nitrosodimet...	0.516	0.624	0.596	0.471	0.526	0.530	0.514	0.540	9.71
5) S	2-Fluorophenol	1.105	1.290	1.167	0.969	1.013	0.984	0.926	1.065	12.16
6)	Aniline	2.004	2.390	2.192	1.789	1.928	1.886	1.822	2.002	10.85
7) S	Phenol-d6	1.509	1.758	1.602	1.299	1.384	1.326	1.262	1.449	12.57
8)	2-Chlorophenol	1.250	1.479	1.340	1.125	1.157	1.121	1.059	1.219	12.15
9)	Benzaldehyde	0.997	0.792	0.928	0.659	0.672			0.810	18.65
10) C	Phenol	1.660	1.913	1.762	1.421	1.524	1.479	1.399	1.594	12.02
11)	bis(2-Chloroet...	1.373	1.593	1.457	1.175	1.269	1.240	1.183	1.327	11.70
12)	1,3-Dichlorobe...	1.481	1.686	1.512	1.301	1.308	1.278	1.209	1.396	12.06
13) C	1,4-Dichlorobe...	1.497	1.686	1.523	1.304	1.317	1.279	1.211	1.402	12.10
14)	1,2-Dichlorobe...	1.451	1.645	1.461	1.248	1.245	1.204	1.131	1.341	13.59
15)	Benzyl Alcohol	1.040	1.279	1.230	0.994	1.080	1.062	1.021	1.101	9.94
16)	2,2'-oxybis(1-...	1.956	2.232	2.029	1.550	1.734	1.693	1.622	1.831	13.50
17)	2-Methylphenol	1.166	1.358	1.274	1.030	1.092	1.050	1.001	1.138	11.77
18)	Hexachloroethane	0.511	0.585	0.555	0.455	0.481	0.474	0.452	0.502	10.16
19) P	n-Nitroso-di-n...	0.998	1.181	1.094	0.842	0.913	0.868	0.827	0.961	14.11
20)	3+4-Methylphenols	1.558	1.844	1.725	1.415	1.485	1.436	1.367	1.547	11.38
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.494	0.561	0.504	0.417	0.430	0.409	0.382	0.457	14.01
23) S	Nitrobenzene-d5	0.322	0.392	0.374	0.302	0.325	0.315	0.300	0.333	10.76
24)	Nitrobenzene	0.361	0.423	0.401	0.326	0.352	0.346	0.330	0.363	10.02
25)	Isophorone	0.678	0.798	0.755	0.620	0.661	0.645	0.625	0.683	9.95
26) C	2-Nitrophenol	0.126	0.166	0.173	0.151	0.156	0.157	0.152	0.155	9.57
27)	2,4-Dimethylph...	0.251	0.296	0.276	0.239	0.248	0.241	0.230	0.254	9.21
28)	bis(2-Chloroet...	0.428	0.490	0.457	0.375	0.401	0.389	0.369	0.416	10.85
29) C	2,4-Dichloroph...	0.264	0.326	0.304	0.277	0.272	0.266	0.252	0.280	9.18
30)	1,2,4-Trichlor...	0.328	0.370	0.338	0.313	0.297	0.288	0.275	0.316	10.30
31)	Naphthalene	1.003	1.136	1.020	0.877	0.884	0.845	0.801	0.938	12.63
32)	Benzoic acid	0.091	0.166	0.219	0.188	0.202	0.198	0.213	0.182	24.15
33)	4-Chloroaniline	0.413	0.486	0.447	0.390	0.396	0.385	0.367	0.412	10.01
34) C	Hexachlorobuta...	0.188	0.211	0.193	0.196	0.173	0.168	0.160	0.184	9.83
35)	Caprolactam	0.084	0.106	0.109	0.092	0.097	0.095	0.096	0.097	8.65
36) C	4-Chloro-3-met...	0.294	0.346	0.336	0.282	0.293	0.286	0.276	0.302	9.15
37)	2-Methylnaphth...	0.705	0.782	0.718	0.624	0.620	0.594	0.561	0.658	12.01
38)	1-Methylnaphth...	0.673	0.747	0.683	0.593	0.585	0.563	0.526	0.624	12.57

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP052720.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.550	0.633	0.573	0.544	0.493	0.477	0.450	0.531	11.81	
41) P	Hexachlorocycl...	0.238	0.313	0.302	0.308	0.277	0.276	0.264	0.283	9.49	
42) S	2,4,6-Tribromo...	0.187	0.220	0.202	0.236	0.173	0.161	0.148	0.190	16.90	
43) C	2,4,6-Trichlor...	0.342	0.416	0.401	0.372	0.357	0.356	0.332	0.368	8.37	
44)	2,4,5-Trichlor...	0.399	0.492	0.467	0.431	0.412	0.402	0.387	0.427	9.11	
45) S	2-Fluorobiphenyl	1.319	1.475	1.250	1.075	1.027	0.936	0.853	1.133	19.64	
46)	1,1'-Biphenyl	1.422	1.616	1.430	1.219	1.228	1.175	1.084	1.311	14.10	
47)	2-Chloronaphth...	1.160	1.318	1.185	1.018	1.006	0.971	0.910	1.081	13.32	
48)	2-Nitroaniline	0.271	0.370	0.383	0.298	0.339	0.338	0.329	0.332	11.67	
49)	Acenaphthylene	1.775	2.104	1.880	1.598	1.630	1.553	1.454	1.713	13.00	
50)	Dimethylphthalate	1.421	1.648	1.487	1.284	1.270	1.219	1.148	1.354	12.84	
51)	2,6-Dinitrotol...	0.270	0.340	0.327	0.283	0.284	0.282	0.272	0.294	9.47	
52) C	Acenaphthene	1.160	1.322	1.219	1.035	1.037	1.006	0.937	1.102	12.32	
53)	3-Nitroaniline	0.302	0.391	0.376	0.315	0.330	0.326	0.314	0.336	10.05	
54) P	2,4-Dinitrophenol	0.096	0.142	0.168	0.154	0.155	0.162	0.162	0.148	16.65	
55)	Dibenzofuran	1.796	2.023	1.773	1.541	1.510	1.440	1.326	1.630	14.89	
56) P	4-Nitrophenol	0.222	0.302	0.301	0.252	0.263	0.264	0.255	0.266	10.58	
57)	2,4-Dinitrotol...	0.346	0.447	0.443	0.386	0.387	0.387	0.369	0.395	9.44	
58)	Fluorene	1.370	1.524	1.277	1.095	1.043	0.943		1.209	18.15	
59)	2,3,4,6-Tetrac...	0.327	0.396	0.373	0.364	0.319	0.309	0.293	0.340	11.09	
60)	Diethylphthalate	1.416	1.646	1.465	1.248	1.250	1.207	1.139	1.339	13.28	
61)	4-Chlorophenyl...	0.719	0.792	0.673	0.608	0.544	0.492		0.638	17.55	
62)	4-Nitroaniline	0.291	0.367	0.346	0.291	0.302	0.295	0.286	0.311	10.26	
63)	Azobenzene	1.467	1.700	1.534	1.195	1.298	1.249	1.166	1.373	14.51	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.074	0.103	0.112	0.099	0.102	0.102	0.100	0.099	11.90	
66) c	n-Nitrosodiphe...	0.564	0.642	0.587	0.480	0.502	0.467	0.433	0.525	14.23	
67)	4-Bromophenyl-...	0.201	0.228	0.214	0.203	0.184	0.178	0.168	0.197	10.70	
68)	Hexachlorobenzene	0.216	0.243	0.222	0.225	0.195	0.181	0.171	0.208	12.50	
69)	Atrazine	0.169	0.192	0.193	0.166	0.162	0.151	0.140	0.168	11.59	
70) C	Pentachlorophenol	0.109	0.137	0.140	0.137	0.125	0.121	0.117	0.127	9.38	
71)	Phenanthrene	1.059	1.168	1.045	0.878	0.883	0.831	0.768	0.947	15.25	
72)	Anthracene	1.006	1.139	1.045	0.871	0.884	0.818	0.762	0.932	14.46	
73)	Carbazole	0.982	1.118	1.016	0.839	0.868	0.807	0.751	0.912	14.34	
74)	Di-n-butylphth...	1.037	1.255	1.182	0.943	1.007	0.949	0.887	1.037	12.98	
75) C	Fluoranthene	1.163	1.338	1.212	1.048	1.030	0.960	0.886	1.091	14.27	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.382	0.392	0.462	0.378	0.439	0.400	0.391	0.406	7.84	
78)	Pyrene	1.284	1.493	1.361	1.108	1.199	1.160	1.113	1.245	11.44	
79) S	Terphenyl-d14	0.942	1.046	0.868	0.727	0.713	0.659		0.826	18.25	
80)	Butylbenzylpht...	0.417	0.547	0.554	0.426	0.512	0.517	0.498	0.496	10.99	
81)	Benzo(a)anthra...	1.213	1.376	1.245	1.055	1.084	1.048	0.993	1.145	11.94	
82)	3,3'-Dichlorob...	0.353	0.443	0.448	0.404	0.401	0.386	0.372	0.401	8.68	
83)	Chrysene	1.188	1.358	1.207	1.022	1.032	0.973	0.912	1.099	14.29	
84)	Bis(2-ethylhex...	0.696	0.903	0.878	0.642	0.755	0.733	0.698	0.758	12.83	
85) c	Di-n-octyl pht...	1.046	1.423	1.468	1.089	1.296	1.271	1.223	1.259	12.44	

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\

Method File : 8270-BP052720.M

-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.203	1.453	1.365	1.190	1.204	1.145	1.105	1.238	10.07	
88)	Benzo(b)fluora...	1.120	1.317	1.211	1.005	1.046	0.987	0.948	1.090	12.24	
89)	Benzo(k)fluora...	1.091	1.302	1.157	0.961	0.989	0.953	0.871	1.046	14.06	
90) C	Benzo(a)pyrene	0.991	1.198	1.130	0.936	0.983	0.950	0.893	1.011	10.95	
91)	Dibenzo(a,h)an...	1.006	1.210	1.122	0.978	0.966	0.922	0.861	1.009	11.83	
92)	Benzo(g,h,i)pe...	0.972	1.178	1.127	0.982	1.003	0.989	0.956	1.030	8.39	

(#) = Out of Range