

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP071020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 24 15:50:46 2020
 ResponseVia : InitialCalibration

Calibration Files

5 =BP002717.D 10 =BP002718.D 20 =BP002719.D 40 =BP002720.D 50 =BP002721.D 60 =BP002722.D 80 =BP002723.D

Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.553	0.528	0.555	0.496	0.514	0.486	0.486	0.517	5.76
3) Pyridine	1.459	1.511	1.673	1.518	1.589	1.501	1.531	1.540	4.55
4) n-Nitrosodimet...	0.558	0.565	0.625	0.570	0.595	0.571	0.577	0.580	3.95
5) S 2-Fluorophenol	1.214	1.208	1.313	1.152	1.182	1.121	1.108	1.185	5.87
6) Aniline	2.141	2.144	2.355	2.107	2.151	2.040	2.053	2.142	4.86
7) S Phenol-d6	1.729	1.756	1.890	1.651	1.679	1.576	1.561	1.692	6.70
8) 2-Chlorophenol	1.382	1.340	1.449	1.283	1.303	1.242	1.234	1.319	5.86
9) Benzaldehyde	0.886	1.066	1.046	0.800	0.798			0.919	14.12
10) C Phenol	1.745	1.753	1.922	1.690	1.734	1.650	1.638	1.733	5.48
11) bis(2-Chloroet...	1.484	1.457	1.605	1.397	1.426	1.360	1.360	1.441	5.96
12) 1,3-Dichlorobe...	1.636	1.565	1.649	1.451	1.482	1.407	1.395	1.512	6.96
13) C 1,4-Dichlorobe...	1.616	1.575	1.672	1.463	1.490	1.414	1.395	1.518	6.93
14) 1,2-Dichlorobe...	1.578	1.536	1.635	1.414	1.430	1.340	1.313	1.464	8.35
15) Benzyl Alcohol	0.971	1.057	1.242	1.143	1.195	1.152	1.164	1.132	7.99
16) 2,2'-oxybis(1-...	2.200	2.155	2.293	1.999	2.039	1.922	1.904	2.073	7.09
17) 2-Methylphenol	1.224	1.252	1.360	1.220	1.234	1.179	1.172	1.235	5.05
18) Hexachloroethane	0.552	0.541	0.584	0.519	0.538	0.514	0.514	0.538	4.69
19) P n-Nitroso-di-n...	1.060	1.088	1.176	1.021	1.014	0.940	0.914	1.030	8.63
20) 3+4-Methylphenols	1.597	1.651	1.841	1.616	1.652	1.545	1.526	1.633	6.36
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.502	0.507	0.545	0.487	0.492	0.460	0.458	0.493	6.08
23) S Nitrobenzene-d5	0.355	0.362	0.405	0.371	0.387	0.365	0.373	0.374	4.50
24) Nitrobenzene	0.382	0.393	0.432	0.400	0.421	0.396	0.410	0.405	4.27
25) Isophorone	0.719	0.742	0.814	0.754	0.787	0.746	0.773	0.762	4.13
26) C 2-Nitrophenol	0.136	0.152	0.182	0.178	0.193	0.186	0.196	0.175	12.71
27) 2,4-Dimethylph...	0.270	0.276	0.305	0.279	0.293	0.277	0.287	0.284	4.22
28) bis(2-Chloroet...	0.453	0.463	0.503	0.453	0.473	0.444	0.451	0.463	4.35
29) C 2,4-Dichloroph...	0.281	0.295	0.331	0.314	0.330	0.316	0.325	0.313	6.04
30) 1,2,4-Trichlor...	0.367	0.353	0.382	0.349	0.364	0.344	0.351	0.359	3.65
31) Naphthalene	1.116	1.081	1.134	1.021	1.052	0.987	1.000	1.056	5.37
32) Benzoic acid		0.113	0.172	0.190	0.226	0.225	0.239	0.194	24.32
33) 4-Chloroaniline	0.426	0.437	0.486	0.448	0.467	0.444	0.458	0.452	4.44
34) C Hexachlorobuta...	0.212	0.204	0.216	0.202	0.209	0.201	0.207	0.207	2.67
35) Caprolactam		0.089	0.111	0.107	0.118	0.113	0.119	0.109	10.15
36) C 4-Chloro-3-met...	0.311	0.318	0.359	0.336	0.354	0.334	0.350	0.337	5.47
37) 2-Methylnaphth...	0.775	0.750	0.801	0.727	0.747	0.705	0.712	0.745	4.62
38) 1-Methylnaphth...	0.732	0.716	0.764	0.685	0.705	0.663	0.668	0.705	5.15

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP071020.M

-----ISTD-----										
39) I	Acenaphthene-d10									
40)	1,2,4,5-Tetrac...	0.625	0.604	0.664	0.599	0.620	0.597	0.594	0.615	4.01
41) P	Hexachlorocycl...		0.115	0.193	0.223	0.256	0.263	0.276	0.221	27.11
42) S	2,4,6-Tribromo...	0.192	0.200	0.230	0.215	0.219	0.206	0.200	0.209	6.37
43) C	2,4,6-Trichlor...	0.329	0.353	0.424	0.405	0.424	0.407	0.412	0.393	9.48
44)	2,4,5-Trichlor...	0.390	0.409	0.489	0.466	0.491	0.471	0.477	0.456	8.77
45) S	2-Fluorobiphenyl	1.459	1.393	1.477	1.275	1.241	1.136	1.069	1.293	12.20
46)	1,1'-Biphenyl	1.586	1.514	1.635	1.470	1.483	1.398	1.351	1.491	6.66
47)	2-Chloronaphth...	1.265	1.222	1.329	1.191	1.208	1.138	1.124	1.211	5.88
48)	2-Nitroaniline	0.293	0.321	0.398	0.385	0.414	0.398	0.412	0.374	12.75
49)	Acenaphthylene	1.924	1.899	2.071	1.888	1.936	1.837	1.810	1.909	4.43
50)	Dimethylphthalate	1.562	1.511	1.653	1.499	1.531	1.459	1.462	1.525	4.41
51)	2,6-Dinitrotol...	0.273	0.303	0.352	0.332	0.350	0.335	0.340	0.327	8.76
52) C	Acenaphthene	1.201	1.148	1.242	1.121	1.138	1.071	1.065	1.141	5.65
53)	3-Nitroaniline	0.284	0.323	0.390	0.378	0.400	0.387	0.395	0.365	12.11
54) P	2,4-Dinitrophenol		0.029	0.090	0.128	0.164	0.171	0.188	0.128	46.65
55)	Dibenzofuran	1.970	1.876	2.014	1.782	1.817	1.702	1.648	1.830	7.32
56) P	4-Nitrophenol		0.156	0.247	0.259	0.290	0.281	0.295	0.255	20.24
57)	2,4-Dinitrotol...	0.327	0.385	0.469	0.452	0.474	0.451	0.452	0.430	12.58
58)	Fluorene	1.510	1.469	1.555	1.351	1.310	1.184	1.099	1.354	12.56
59)	2,3,4,6-Tetrac...	0.313	0.325	0.392	0.363	0.386	0.367	0.372	0.360	8.29
60)	Diethylphthalate	1.482	1.474	1.613	1.467	1.498	1.415	1.403	1.479	4.65
61)	4-Chlorophenyl...	0.810	0.778	0.828	0.718	0.698	0.623	0.582	0.719	12.92
62)	4-Nitroaniline	0.247	0.321	0.394	0.381	0.409	0.387	0.392	0.362	16.01
63)	Azobenzene	1.475	1.514	1.672	1.513	1.561	1.467	1.443	1.521	5.07
-----ISTD-----										
64) I	Phenanthrene-d10									
65)	4,6-Dinitro-2-...		0.066	0.102	0.111	0.124	0.121	0.126	0.108	20.70
66) c	n-Nitrosodipe...	0.611	0.601	0.659	0.592	0.593	0.547	0.533	0.591	7.05
67)	4-Bromophenyl-...	0.212	0.213	0.235	0.217	0.222	0.213	0.212	0.218	3.84
68)	Hexachlorobenzene	0.238	0.226	0.247	0.229	0.233	0.218	0.217	0.230	4.69
69)	Atrazine	0.145	0.178	0.196	0.167	0.167	0.148	0.129	0.161	13.89
70) C	Pentachlorophenol		0.044	0.079	0.092	0.106	0.106	0.113	0.090	28.38
71)	Phenanthrene	1.176	1.102	1.186	1.076	1.081	0.988	0.971	1.083	7.67
72)	Anthracene	1.099	1.075	1.187	1.074	1.073	0.983	0.948	1.063	7.34
73)	Carbazole	1.064	1.038	1.151	1.054	1.066	0.980	0.946	1.043	6.34
74)	Di-n-butylphth...	1.033	1.075	1.261	1.173	1.193	1.101	1.080	1.131	7.10
75) C	Fluoranthene	1.274	1.249	1.382	1.271	1.295	1.183	1.128	1.255	6.49
-----ISTD-----										
76) I	Chrysene-d12									
77)	Benzidine		0.416	0.529	0.516	0.505	0.499	0.509	0.496	8.14
78)	Pyrene	1.364	1.345	1.486	1.367	1.396	1.333	1.375	1.381	3.66
79) S	Terphenyl-d14	1.004	0.970	1.017	0.861	0.810	0.739	0.705	0.872	14.63
80)	Butylbenzylph...	0.431	0.473	0.574	0.561	0.597	0.584	0.594	0.545	12.07
81)	Benzo(a)anthra...	1.302	1.269	1.403	1.302	1.329	1.229	1.230	1.295	4.70
82)	3,3'-Dichlorob...	0.367	0.396	0.469	0.449	0.460	0.434	0.426	0.429	8.51
83)	Chrysene	1.304	1.243	1.364	1.219	1.229	1.139	1.129	1.232	6.81
84)	Bis(2-ethylhex...	0.670	0.719	0.847	0.795	0.795	0.753	0.726	0.758	7.80
85) c	Di-n-octyl pht...	1.147	1.206	1.450	1.398	1.478	1.425	1.433	1.363	9.56

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
Method File : 8270-BP071020.M

86) I Perylene-d12 -----ISTD-----
87) Indeno(1,2,3-c... 1.462 1.366 1.530 1.506 1.482 1.373 1.399 1.446 4.57
88) Benzo(b)fluora... 1.245 1.154 1.315 1.284 1.288 1.207 1.199 1.242 4.66
89) Benzo(k)fluora... 1.315 1.214 1.301 1.267 1.213 1.104 1.149 1.223 6.35
90) C Benzo(a)pyrene 1.180 1.102 1.231 1.216 1.212 1.135 1.163 1.177 3.99
91) Dibenzo(a,h)an... 1.194 1.119 1.259 1.228 1.194 1.081 1.086 1.166 6.06
92) Benzo(g,h,i)pe... 1.158 1.081 1.217 1.203 1.223 1.166 1.226 1.182 4.40

(#) = Out of Range