

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP011422.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jan 14 18:05:00 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP008806.D 10 =BP008807.D 20 =BP008808.D 40 =BP008809.D 50 =BP008810.D 60 =BP008811.D 80 =BP008812.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.698	0.603	0.529	0.443	0.450	0.488	0.454	0.523	18.23
3)	Pyridine	1.341	1.170	1.087	0.987	0.991	1.068	1.032	1.096	11.37
4)	n-Nitrosodimet...	0.691	0.547	0.498	0.463	0.445	0.486	0.472	0.514	16.34
5) S	2-Fluorophenol	1.668	1.437	1.297	1.141	1.134	1.228	1.148	1.293	15.31
6)	Aniline	2.487	2.092	1.908	1.775	1.755	1.866	1.799	1.955	13.35
7) S	Phenol-d6	1.989	1.683	1.550	1.425	1.402	1.486	1.428	1.566	13.42
8)	2-Chlorophenol	1.745	1.483	1.367	1.239	1.232	1.326	1.250	1.377	13.45
9)	Benzaldehyde	1.411	1.165	1.063	0.937	0.916	0.973	0.863	1.047	18.11
10) C	Phenol	2.029	1.718	1.565	1.445	1.439	1.519	1.462	1.597	13.41
11)	bis(2-Chloroet...	1.643	1.358	1.247	1.140	1.128	1.222	1.155	1.270	14.37
12)	1,3-Dichlorobe...	2.124	1.800	1.640	1.457	1.449	1.564	1.449	1.640	15.17
13) C	1,4-Dichlorobe...	2.150	1.832	1.663	1.469	1.471	1.584	1.469	1.662	15.22
14)	1,2-Dichlorobe...	2.042	1.753	1.588	1.401	1.402	1.508	1.402	1.585	15.10
15)	Benzyl Alcohol	1.383	1.158	1.066	1.012	0.998	1.051	1.023	1.099	12.37
16)	2,2'-oxybis(1-...	1.800	1.518	1.401	1.290	1.274	1.374	1.287	1.421	13.24
17)	2-Methylphenol	1.360	1.137	1.052	0.977	0.969	1.011	0.982	1.070	13.15
18)	Hexachloroethane	0.706	0.606	0.569	0.507	0.498	0.552	0.510	0.564	13.07
19) P	n-Nitroso-di-n...	1.165	0.949	0.890	0.854	0.836	0.880	0.835	0.915	12.77
20)	3+4-Methylphenols	1.766	1.497	1.387	1.314	1.298	1.361	1.318	1.420	11.75
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.647	0.547	0.508	0.460	0.459	0.492	0.454	0.509	13.58
23) S	Nitrobenzene-d5	0.438	0.374	0.353	0.319	0.317	0.345	0.320	0.352	12.28
24)	Nitrobenzene	0.444	0.379	0.357	0.321	0.320	0.346	0.323	0.356	12.51
25)	Isophorone	0.789	0.667	0.629	0.584	0.580	0.621	0.587	0.637	11.64
26) C	2-Nitrophenol	0.214	0.194	0.183	0.173	0.176	0.188	0.182	0.187	7.38
27)	2,4-Dimethylph...	0.389	0.340	0.318	0.292	0.291	0.312	0.292	0.319	11.26
28)	bis(2-Chloroet...	0.529	0.431	0.411	0.376	0.374	0.408	0.380	0.415	13.07
29) C	2,4-Dichloroph...	0.427	0.370	0.344	0.316	0.320	0.341	0.318	0.348	11.45
30)	1,2,4-Trichlor...	0.517	0.445	0.408	0.361	0.364	0.395	0.365	0.408	13.93
31)	Naphthalene	1.399	1.194	1.091	0.961	0.964	1.041	0.954	1.086	15.01
32)	Benzoic acid	0.185	0.159	0.170	0.178	0.191	0.194	0.203	0.183	8.27
33)	4-Chloroaniline	0.555	0.471	0.437	0.404	0.404	0.425	0.402	0.443	12.53
34) C	Hexachlorobuta...	0.321	0.276	0.250	0.227	0.226	0.253	0.231	0.255	13.41
35)	Caprolactam	0.124	0.097	0.095	0.088	0.089	0.090	0.089	0.096	13.35
36) C	4-Chloro-3-met...	0.397	0.329	0.308	0.288	0.290	0.299	0.287	0.314	12.59
37)	2-Methylnaphth...	1.029	0.850	0.784	0.714	0.716	0.762	0.705	0.794	14.53
38)	1-Methylnaphth...	0.945	0.777	0.723	0.661	0.652	0.697	0.647	0.729	14.54

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.889	0.800	0.714	0.647	0.666	0.721	0.667	0.729	11.93
41) P	Hexachlorocycl...	0.349	0.331	0.343	0.360	0.386	0.431	0.413	0.373	10.14
42) S	2,4,6-Tribromo...	0.357	0.303	0.290	0.261	0.271	0.287	0.268	0.291	11.16
43) C	2,4,6-Trichlor...	0.531	0.473	0.439	0.410	0.428	0.452	0.424	0.451	9.05
44)	2,4,5-Trichlor...	0.590	0.502	0.478	0.440	0.459	0.478	0.450	0.485	10.46
45) S	2-Fluorobiphenyl	1.944	1.688	1.517	1.337	1.372	1.460	1.298	1.517	15.14
46)	1,1'-Biphenyl	2.058	1.781	1.620	1.439	1.490	1.569	1.433	1.627	13.85
47)	2-Chloronaphth...	1.561	1.378	1.250	1.112	1.159	1.212	1.112	1.255	13.04
48)	2-Nitroaniline	0.332	0.287	0.273	0.255	0.262	0.277	0.264	0.279	9.26
49)	Acenaphthylene	2.378	2.042	1.878	1.692	1.754	1.837	1.688	1.896	12.97
50)	Dimethylphthalate	1.912	1.591	1.491	1.315	1.369	1.420	1.300	1.485	14.40
51)	2,6-Dinitrotol...	0.384	0.326	0.311	0.287	0.298	0.308	0.291	0.315	10.57
52) C	Acenaphthene	1.454	1.230	1.135	1.002	0.953	1.089	1.008	1.124	15.37
53)	3-Nitroaniline	0.374	0.324	0.309	0.281	0.292	0.303	0.286	0.310	10.26
54) P	2,4-Dinitrophenol	0.124	0.120	0.120	0.120	0.122	0.144	0.142	0.127	8.41
55)	Dibenzofuran	2.399	2.029	1.859	1.626	1.542	1.761	1.608	1.832	16.42
56) P	4-Nitrophenol	0.254	0.234	0.229	0.207	0.199	0.226	0.214	0.223	8.29
57)	2,4-Dinitrotol...	0.481	0.418	0.409	0.375	0.365	0.408	0.380	0.405	9.61
58)	Fluorene	1.897	1.600	1.479	1.295	1.198	1.395	1.265	1.447	16.65
59)	2,3,4,6-Tetrac...	0.501	0.421	0.403	0.363	0.352	0.390	0.368	0.400	12.71
60)	Diethylphthalate	1.834	1.524	1.445	1.256	1.190	1.374	1.241	1.409	15.76
61)	4-Chlorophenyl...	1.021	0.858	0.797	0.708	0.660	0.771	0.704	0.788	15.47
62)	4-Nitroaniline	0.361	0.327	0.311	0.273	0.259	0.296	0.273	0.300	11.99
63)	Azobenzene	1.490	1.264	1.201	1.069	0.939	1.171	1.057	1.170	15.16
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.097	0.093	0.096	0.096	0.099	0.110	0.108	0.100	6.56
66) c	n-Nitrosodiphe...	0.798	0.687	0.641	0.584	0.570	0.627	0.597	0.644	12.21
67)	4-Bromophenyl-...	0.302	0.254	0.244	0.230	0.229	0.250	0.239	0.250	10.02
68)	Hexachlorobenzene	0.354	0.297	0.280	0.258	0.267	0.281	0.267	0.286	11.37
69)	Atrazine	0.290	0.252	0.240	0.217	0.215	0.241	0.219	0.239	11.01
70) C	Pentachlorophenol	0.166	0.150	0.147	0.140	0.150	0.159	0.154	0.152	5.52
71)	Phenanthrene	1.451	1.235	1.127	1.003	0.984	1.081	1.001	1.126	14.96
72)	Anthracene	1.430	1.162	1.148	1.023	1.010	1.111	1.023	1.130	12.99
73)	Carbazole	1.258	1.031	1.000	0.864	0.846	0.946	0.855	0.971	15.07
74)	Di-n-butylphth...	1.440	1.177	1.217	1.070	1.024	1.216	1.039	1.169	12.39
75) C	Fluoranthene	1.613	1.375	1.298	1.094	1.092	1.231	1.062	1.252	15.79
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.596	0.707	0.712	0.710	0.698	0.795	0.728	0.707	8.33
78)	Pyrene	1.793	1.436	1.356	1.301	1.221	1.358	1.303	1.396	13.42
79) S	Terphenyl-d14	1.523	1.230	1.169	1.101	1.088	1.144	1.040	1.185	13.58
80)	Butylbenzylpht...	0.678	0.557	0.555	0.519	0.520	0.572	0.527	0.561	9.90
81)	Benzo(a)anthra...	1.720	1.455	1.336	1.202	1.207	1.297	1.203	1.346	14.07
82)	3,3'-Dichlorob...	0.683	0.636	0.574	0.529	0.529	0.577	0.541	0.581	10.04
83)	Chrysene	1.673	1.417	1.303	1.168	1.163	1.239	1.167	1.304	14.36
84)	Bis(2-ethylhex...	1.049	0.876	0.866	0.810	0.797	0.887	0.800	0.869	10.09
85) c	Di-n-octyl pht...	1.802	1.536	1.477	1.244	1.352	1.508	1.374	1.470	12.12

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	2.044	1.797	1.621	1.467	1.485	1.582	1.540	1.648	12.52	
88)	Benzo(b)fluora...	1.644	1.441	1.359	1.182	1.232	1.302	1.190	1.336	12.36	
89)	Benzo(k)fluora...	1.708	1.334	1.256	1.116	1.189	1.278	1.168	1.293	15.25	
90) C	Benzo(a)pyrene	1.641	1.379	1.284	1.137	1.137	1.267	1.179	1.289	13.83	
91)	Dibenzo(a,h)an...	1.736	1.534	1.385	1.253	1.261	1.344	1.298	1.401	12.55	
92)	Benzo(g,h,i)pe...	1.715	1.495	1.339	1.230	1.239	1.294	1.266	1.368	12.98	

(#) = Out of Range