

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP010622.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jan 07 07:45:52 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP008704.D 10 =BP008705.D 20 =BP008706.D 40 =BP008707.D 50 =BP008708.D 60 =BP008709.D 80 =BP008710.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.666	0.542	0.479	0.430	0.417	0.436	0.402	0.482	19.51
3) Pyridine	1.327	1.120	1.053	1.056	1.058	1.179	1.139	1.133	8.69
4) n-Nitrosodimet...	0.634	0.532	0.487	0.459	0.455	0.501	0.467	0.505	12.45
5) S 2-Fluorophenol	1.652	1.369	1.250	1.153	1.137	1.230	1.149	1.277	14.41
6) Aniline	2.622	2.293	2.119	1.957	1.951	2.134	2.002	2.154	11.11
7) S Phenol-d6	2.078	1.807	1.670	1.565	1.552	1.716	1.613	1.715	10.70
8) 2-Chlorophenol	1.782	1.526	1.414	1.310	1.308	1.429	1.334	1.443	11.69
9) Benzaldehyde	1.454	1.248	1.140	1.052	1.042	1.145	1.043	1.160	12.87
10) C Phenol	2.136	1.856	1.702	1.596	1.590	1.752	1.649	1.754	10.96
11) bis(2-Chloroet...	1.706	1.453	1.345	1.228	1.217	1.333	1.238	1.360	12.83
12) 1,3-Dichlorobe...	2.109	1.773	1.616	1.471	1.445	1.561	1.440	1.631	14.82
13) C 1,4-Dichlorobe...	2.142	1.830	1.657	1.492	1.470	1.595	1.477	1.666	14.76
14) 1,2-Dichlorobe...	2.053	1.767	1.607	1.447	1.435	1.556	1.447	1.616	14.00
15) Benzyl Alcohol	1.517	1.343	1.261	1.163	1.158	1.278	1.196	1.274	9.93
16) 2,2'-oxybis(1-...	1.939	1.712	1.539	1.383	1.378	1.510	1.389	1.550	13.50
17) 2-Methylphenol	1.458	1.268	1.187	1.111	1.100	1.208	1.134	1.210	10.30
18) Hexachloroethane	0.718	0.600	0.553	0.507	0.499	0.546	0.502	0.561	13.96
19) P n-Nitroso-di-n...	1.375	1.207	1.105	1.007	0.995	1.091	1.012	1.113	12.34
20) 3+4-Methylphenols	1.985	1.789	1.651	1.529	1.522	1.687	1.585	1.678	9.81
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.665	0.567	0.519	0.465	0.519	0.498	0.461	0.528	13.33
23) S Nitrobenzene-d5	0.437	0.371	0.346	0.315	0.350	0.339	0.314	0.353	11.96
24) Nitrobenzene	0.441	0.380	0.349	0.318	0.353	0.344	0.318	0.357	11.92
25) Isophorone	0.879	0.763	0.694	0.620	0.598	0.674	0.633	0.695	14.12
26) C 2-Nitrophenol	0.218	0.189	0.179	0.171	0.176	0.193	0.179	0.186	8.43
27) 2,4-Dimethylph...	0.420	0.357	0.332	0.302	0.294	0.326	0.305	0.334	13.11
28) bis(2-Chloroet...	0.563	0.473	0.433	0.384	0.376	0.416	0.385	0.433	15.43
29) C 2,4-Dichloroph...	0.440	0.376	0.351	0.325	0.329	0.354	0.330	0.358	11.28
30) 1,2,4-Trichlor...	0.499	0.420	0.387	0.349	0.353	0.375	0.347	0.390	14.04
31) Naphthalene	1.401	1.186	1.080	0.967	0.952	1.032	0.952	1.081	15.20
32) Benzoic acid	0.236	0.206	0.210	0.206	0.221	0.247	0.237	0.223	7.45
33) 4-Chloroaniline	0.610	0.527	0.482	0.435	0.431	0.470	0.441	0.485	13.33
34) C Hexachlorobuta...	0.307	0.255	0.231	0.208	0.215	0.226	0.209	0.236	15.04
35) Caprolactam	0.151	0.133	0.126	0.115	0.118	0.125	0.122	0.127	9.54
36) C 4-Chloro-3-met...	0.447	0.390	0.359	0.324	0.330	0.353	0.334	0.363	11.99
37) 2-Methylnaphth...	1.092	0.929	0.850	0.759	0.754	0.816	0.756	0.851	14.58
38) 1-Methylnaphth...	1.018	0.872	0.788	0.703	0.699	0.752	0.700	0.790	14.99

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.831	0.693	0.710	0.593	0.588	0.645	0.593	0.665	13.35
41) P	Hexachlorocycl...	0.461	0.389	0.414	0.361	0.372	0.404	0.366	0.395	8.83
42) S	2,4,6-Tribromo...	0.393	0.339	0.353	0.296	0.325	0.333	0.324	0.337	8.92
43) C	2,4,6-Trichlor...	0.528	0.450	0.468	0.398	0.406	0.437	0.413	0.443	10.18
44)	2,4,5-Trichlor...	0.581	0.495	0.519	0.438	0.444	0.479	0.450	0.487	10.46
45) S	2-Fluorobiphenyl	1.869	1.569	1.563	1.262	1.212	1.302	1.181	1.423	17.78
46)	1,1'-Biphenyl	2.005	1.696	1.695	1.377	1.339	1.461	1.341	1.559	16.04
47)	2-Chloronaphth...	1.514	1.287	1.285	1.062	1.040	1.140	1.048	1.197	14.67
48)	2-Nitroaniline	0.338	0.294	0.307	0.271	0.256	0.295	0.282	0.292	9.07
49)	Acenaphthylene	2.367	2.042	2.052	1.696	1.667	1.811	1.672	1.901	13.87
50)	Dimethylphthalate	2.028	1.717	1.715	1.398	1.386	1.482	1.400	1.589	15.19
51)	2,6-Dinitrotol...	0.409	0.352	0.368	0.306	0.315	0.336	0.320	0.344	10.50
52) C	Acenaphthene	1.464	1.233	1.140	1.026	0.998	1.096	1.014	1.139	14.55
53)	3-Nitroaniline	0.410	0.361	0.349	0.322	0.323	0.352	0.338	0.351	8.52
54) P	2,4-Dinitrophenol	0.169	0.153	0.170	0.164	0.182	0.192	0.196	0.175	8.92
55)	Dibenzofuran	2.443	2.060	1.893	1.676	1.641	1.778	1.654	1.878	15.52
56) P	4-Nitrophenol	0.329	0.294	0.289	0.271	0.274	0.297	0.291	0.292	6.53
57)	2,4-Dinitrotol...	0.540	0.476	0.474	0.425	0.445	0.470	0.454	0.469	7.70
58)	Fluorene	1.979	1.675	1.556	1.230	1.334	1.453	1.353	1.512	16.79
59)	2,3,4,6-Tetrac...	0.523	0.450	0.447	0.394	0.406	0.429	0.412	0.437	9.89
60)	Diethylphthalate	1.993	1.691	1.544	1.369	1.355	1.459	1.378	1.541	15.08
61)	4-Chlorophenyl...	1.054	0.889	0.823	0.662	0.723	0.789	0.737	0.811	16.01
62)	4-Nitroaniline	0.424	0.383	0.367	0.308	0.336	0.369	0.362	0.364	10.00
63)	Azobenzene	1.577	1.359	1.191	0.963	1.051	1.196	1.119	1.208	16.97
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.113	0.101	0.108	0.107	0.106	0.122	0.119	0.111	6.83
66) c	n-Nitrosodiphe...	0.797	0.671	0.610	0.531	0.500	0.593	0.540	0.606	16.79
67)	4-Bromophenyl-...	0.296	0.251	0.239	0.213	0.202	0.236	0.218	0.237	13.22
68)	Hexachlorobenzene	0.345	0.291	0.283	0.251	0.238	0.269	0.249	0.275	13.14
69)	Atrazine	0.304	0.261	0.250	0.219	0.214	0.244	0.230	0.246	12.38
70) C	Pentachlorophenol	0.190	0.162	0.172	0.163	0.165	0.179	0.173	0.172	5.91
71)	Phenanthrene	1.447	1.223	1.123	0.978	0.981	1.059	0.967	1.111	15.74
72)	Anthracene	1.457	1.246	1.147	1.007	1.006	1.090	0.991	1.135	14.91
73)	Carbazole	1.324	1.135	1.047	0.925	0.924	1.000	0.925	1.040	14.23
74)	Di-n-butylphth...	1.545	1.309	1.215	1.064	1.089	1.156	0.957	1.191	16.18
75) C	Fluoranthene	1.726	1.480	1.391	1.219	1.117	1.295	1.086	1.331	16.86
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	1.040	0.935	0.859	0.769	0.778	0.849	0.761	0.856	11.95
78)	Pyrene	1.780	1.478	1.316	1.161	1.130	1.230	1.059	1.308	19.06
79) S	Terphenyl-d14	1.264	1.094	0.922	0.831	0.795	0.981			19.96
80)	Butylbenzylpht...	0.677	0.591	0.528	0.478	0.475	0.529	0.465	0.535	14.31
81)	Benzo(a)anthra...	1.740	1.460	1.332	1.180	1.141	1.246	1.086	1.312	17.25
82)	3,3'-Dichlorob...	0.742	0.644	0.594	0.540	0.536	0.606	0.511	0.596	13.31
83)	Chrysene	1.674	1.418	1.292	1.129	1.102	1.195	1.050	1.266	17.30
84)	Bis(2-ethylhex...	1.035	0.862	0.799	0.694	0.682	0.755	0.638	0.781	17.34
85) c	Di-n-octyl pht...	1.804	1.515	1.397	1.238	1.233	1.338	1.175	1.386	15.69

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.992	1.730	1.592	1.444	1.414	1.608	1.407	1.598	13.20	
88)	Benzo(b)fluora...	1.712	1.451	1.317	1.143	1.137	1.261	1.127	1.307	16.39	
89)	Benzo(k)fluora...	1.643	1.320	1.240	1.103	1.046	1.217	0.992	1.223	17.84	
90) C	Benzo(a)pyrene	1.636	1.380	1.265	1.129	1.104	1.245	1.082	1.263	15.46	
91)	Dibenzo(a,h)an...	1.708	1.476	1.357	1.220	1.188	1.343	1.160	1.350	14.27	
92)	Benzo(g,h,i)pe...	1.670	1.454	1.335	1.208	1.203	1.315	1.197	1.340	12.89	

(#) = Out of Range