

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM010522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jan 05 17:07:26 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM033640.D 10 =BM033641.D 20 =BM033642.D 40 =BM033643.D 50 =BM033644.D 60 =BM033645.D 80 =BM033646.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.706	0.595	0.566	0.564	0.492	0.488		0.568	14.07
3) Pyridine	1.710	1.601	1.528	1.493	1.358	1.336	1.276	1.472	10.64
4) n-Nitrosodimet...	0.874	0.804	0.747	0.746	0.675	0.668	0.632	0.735	11.51
5) S 2-Fluorophenol	1.516	1.362	1.303	1.271	1.174	1.145	1.106	1.268	11.24
6) Aniline	2.274	2.075	1.945	1.920	1.849	1.741	1.749	1.936	9.76
7) S Phenol-d6	2.019	1.863	1.717	1.699	1.619	1.533	1.514	1.709	10.61
8) 2-Chlorophenol	1.646	1.520	1.377	1.370	1.303	1.256	1.236	1.387	10.70
9) Benzaldehyde	1.492	1.327	1.196	1.074	0.991			1.216	16.43
10) C Phenol	2.024	1.879	1.714	1.711	1.631	1.538	1.532	1.718	10.46
11) bis(2-Chloroet...	1.649	1.482	1.352	1.346	1.265	1.214	1.181	1.356	12.09
12) 1,3-Dichlorobe...	1.864	1.680	1.577	1.535	1.437	1.397	1.359	1.550	11.47
13) C 1,4-Dichlorobe...	1.911	1.720	1.612	1.574	1.462	1.423	1.393	1.585	11.63
14) 1,2-Dichlorobe...	1.860	1.658	1.553	1.516	1.427	1.378	1.338	1.533	11.82
15) Benzyl Alcohol	1.568	1.502	1.384	1.410	1.356	1.270	1.275	1.395	7.93
16) 2,2'-oxybis(1-...	2.490	2.294	2.083	2.022	1.893	1.787	1.739	2.044	13.33
17) 2-Methylphenol	1.358	1.301	1.174	1.181	1.141	1.073	1.075	1.186	9.11
18) Hexachloroethane	0.705	0.632	0.614	0.605	0.562	0.548	0.539	0.601	9.66
19) P n-Nitroso-di-n...	1.266	1.231	1.112	1.113	1.082	1.010	1.003	1.117	9.04
20) 3+4-Methylphenols	1.818	1.740	1.604	1.630	1.594	1.472	1.486	1.621	7.74
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.630	0.564	0.531	0.538	0.502	0.496	0.493	0.536	9.12
23) S Nitrobenzene-d5	0.489	0.455	0.433	0.440	0.408	0.405	0.401	0.433	7.33
24) Nitrobenzene	0.483	0.435	0.411	0.411	0.386	0.381	0.377	0.412	9.10
25) Isophorone	0.762	0.722	0.691	0.720	0.686	0.657	0.673	0.701	5.06
26) C 2-Nitrophenol	0.168	0.168	0.169	0.183	0.177	0.172	0.178	0.174	3.42
27) 2,4-Dimethylph...	0.337	0.301	0.289	0.291	0.274	0.266	0.271	0.290	8.33
28) bis(2-Chloroet...	0.527	0.498	0.462	0.467	0.437	0.422	0.423	0.462	8.50
29) C 2,4-Dichloroph...	0.343	0.328	0.314	0.319	0.311	0.300	0.305	0.317	4.58
30) 1,2,4-Trichlor...	0.410	0.368	0.353	0.356	0.333	0.330	0.330	0.354	8.05
31) Naphthalene	1.281	1.153	1.093	1.094	1.031	1.013	1.009	1.096	8.82
32) Benzoic acid	0.172	0.175	0.194	0.218	0.224	0.206	0.237	0.204	12.11
33) 4-Chloroaniline	0.482	0.448	0.432	0.433	0.423	0.397	0.413	0.433	6.29
34) C Hexachlorobuta...	0.264	0.234	0.229	0.236	0.217	0.220	0.220	0.231	6.94
35) Caprolactam	0.088	0.088	0.087	0.087	0.094	0.081	0.089	0.088	4.28
36) C 4-Chloro-3-met...	0.402	0.377	0.367	0.366	0.376	0.336	0.354	0.368	5.63
37) 2-Methylnaphth...	0.848	0.776	0.743	0.736	0.716	0.674	0.692	0.741	7.85
38) 1-Methylnaphth...	0.831	0.761	0.718	0.715	0.694	0.653	0.667	0.720	8.43

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.728	0.654	0.616	0.642	0.588	0.605	0.592	0.632	7.73
41) P	Hexachlorocycl...	0.416	0.397	0.379	0.420	0.374	0.406	0.392	0.398	4.38
42) S	2,4,6-Tribromo...	0.228	0.201	0.204	0.208	0.207	0.204	0.209	0.209	4.21
43) C	2,4,6-Trichlor...	0.448	0.413	0.405	0.425	0.403	0.399	0.395	0.412	4.44
44)	2,4,5-Trichlor...	0.481	0.450	0.433	0.440	0.422	0.416	0.413	0.436	5.45
45) S	2-Fluorobiphenyl	1.793	1.636	1.497	1.547	1.396	1.433	1.387	1.527	9.62
46)	1,1'-Biphenyl	1.904	1.736	1.601	1.658	1.505	1.540	1.491	1.634	9.02
47)	2-Chloronaphth...	1.404	1.297	1.200	1.246	1.143	1.160	1.136	1.227	7.96
48)	2-Nitroaniline	0.380	0.368	0.390	0.401	0.399	0.375	0.380	0.385	3.20
49)	Acenaphthylene	2.154	1.977	1.893	1.951	1.830	1.800	1.795	1.914	6.66
50)	Dimethylphthalate	1.765	1.624	1.538	1.566	1.506	1.428	1.443	1.553	7.45
51)	2,6-Dinitrotol...	0.318	0.292	0.300	0.312	0.304	0.286	0.291	0.301	3.92
52) C	Acenaphthene	1.398	1.277	1.230	1.261	1.202	1.174	1.175	1.245	6.28
53)	3-Nitroaniline	0.336	0.308	0.333	0.331	0.325	0.310	0.303	0.321	4.18
54) P	2,4-Dinitrophenol	0.119	0.113	0.137	0.149	0.152	0.148	0.153	0.139	11.96
55)	Dibenzofuran	2.197	1.948	1.859	1.871	1.775	1.713	1.704	1.867	9.13
56) P	4-Nitrophenol	0.265	0.240	0.277	0.265	0.251	0.246	0.235	0.254	5.91
57)	2,4-Dinitrotol...	0.372	0.359	0.395	0.405	0.401	0.377	0.379	0.384	4.39
58)	Fluorene	1.712	1.479	1.440	1.421	1.370	1.302	1.285	1.430	10.02
59)	2,3,4,6-Tetrac...	0.402	0.364	0.380	0.371	0.367	0.348	0.346	0.368	5.18
60)	Diethylphthalate	1.783	1.631	1.611	1.621	1.578	1.482	1.490	1.599	6.34
61)	4-Chlorophenyl...	0.858	0.762	0.725	0.738	0.715	0.684	0.683	0.738	8.13
62)	4-Nitroaniline	0.330	0.292	0.341	0.328	0.308	0.302	0.286	0.313	6.65
63)	Azobenzene	1.791	1.628	1.622	1.589	1.543	1.450	1.446	1.581	7.52
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.091	0.093	0.107	0.119	0.117	0.119	0.124	0.110	12.21
66) c	n-Nitrosodiphe...	0.735	0.709	0.653	0.682	0.653	0.637	0.661	0.676	5.19
67)	4-Bromophenyl-...	0.245	0.236	0.204	0.217	0.207	0.211	0.229	0.221	6.98
68)	Hexachlorobenzene	0.279	0.261	0.239	0.253	0.244	0.238	0.250	0.252	5.70
69)	Atrazine	0.241	0.235	0.233	0.238	0.230	0.222	0.223	0.232	3.01
70) C	Pentachlorophenol	0.154	0.145	0.155	0.163	0.149	0.154	0.153	0.153	3.71
71)	Phenanthrene	1.319	1.209	1.144	1.153	1.070	1.067	1.050	1.144	8.39
72)	Anthracene	1.269	1.165	1.130	1.140	1.057	1.052	1.046	1.123	7.15
73)	Carbazole	1.238	1.098	1.125	1.095	0.922	0.997	0.933	1.058	10.75
74)	Di-n-butylphth...	1.403	1.364	1.373	1.415	1.373	1.312	1.322	1.366	2.78
75) C	Fluoranthene	1.439	1.248	1.286	1.249	1.016	1.138	1.033	1.201	12.48
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.629	0.547	0.655	0.620	0.618	0.580	0.553	0.600	6.79
78)	Pyrene	1.539	1.449	1.390	1.417	1.450	1.300	1.313	1.408	5.90
79) S	Terphenyl-d14	1.221	1.156	1.074	1.103	1.156	1.025	1.044	1.111	6.31
80)	Butylbenzylpht...	0.610	0.612	0.618	0.661	0.673	0.612	0.617	0.629	4.17
81)	Benzo(a)anthra...	1.540	1.409	1.373	1.368	1.288	1.264	1.252	1.356	7.43
82)	3,3'-Dichlorob...	0.508	0.486	0.480	0.502	0.467	0.465	0.460	0.481	3.95
83)	Chrysene	1.483	1.365	1.292	1.310	1.226	1.209	1.200	1.298	7.79
84)	Bis(2-ethylhex...	0.971	0.951	0.949	0.976	1.043	0.905	0.911	0.958	4.82
85) c	Di-n-octyl pht...	1.560	1.515	1.558	1.642	1.591	1.521	1.519	1.558	2.97

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.625	1.509	1.464	1.509	1.404	1.402	1.411	1.475	5.50	
88)	Benzo(b)fluora...	1.428	1.332	1.249	1.309	1.217	1.205	1.186	1.275	6.78	
89)	Benzo(k)fluora...	1.397	1.266	1.253	1.247	1.159	1.155	1.174	1.236	6.90	
90) C	Benzo(a)pyrene	1.163	1.080	1.048	1.095	1.012	1.002	1.009	1.058	5.55	
91)	Dibenzo(a,h)an...	1.368	1.260	1.206	1.248	1.169	1.158	1.166	1.225	6.12	
92)	Benzo(g,h,i)pe...	1.337	1.232	1.193	1.224	1.151	1.142	1.153	1.204	5.69	

(#) = Out of Range