

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM121621.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Dec 21 03:57:10 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM033481.D 10 =BM033482.D 20 =BM033483.D 40 =BM033484.D 50 =BM033485.D 60 =BM033486.D 80 =BM033487.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.721	0.543	0.500	0.452	0.417	0.396		0.505	23.57
3)	Pyridine	1.412	1.343	1.269	1.303	1.182	1.126	1.007	1.235	11.24
4)	n-Nitrosodimet...	1.029	0.954	0.888	0.922	0.842	0.806	0.706	0.878	11.99
5) S	2-Fluorophenol	1.271	1.280	1.191	1.223	1.123	1.070	0.956	1.159	10.13
6)	Aniline	1.918	1.910	1.768	1.906	1.732	1.678	1.522	1.776	8.32
7) S	Phenol-d6	1.626	1.632	1.568	1.670	1.539	1.493	1.360	1.555	6.76
8)	2-Chlorophenol	1.399	1.343	1.270	1.331	1.227	1.176	1.051	1.256	9.37
9)	Benzaldehyde	1.328	1.292	1.106	0.994	0.895			1.123	16.64
10) C	Phenol	1.614	1.692	1.627	1.679	1.547	1.493	1.348	1.571	7.68
11)	bis(2-Chloroet...	1.438	1.349	1.275	1.287	1.163	1.136	1.019	1.238	11.44
12)	1,3-Dichlorobe...	1.727	1.721	1.552	1.608	1.458	1.389	1.231	1.526	11.84
13) C	1,4-Dichlorobe...	1.882	1.720	1.549	1.630	1.509	1.409	1.267	1.567	12.91
14)	1,2-Dichlorobe...	1.765	1.722	1.522	1.623	1.472	1.414	1.240	1.537	11.92
15)	Benzyl Alcohol	1.338	1.386	1.400	1.559	1.426	1.417	1.289	1.402	6.00
16)	2,2'-oxybis(1-...	2.687	2.361	2.235	2.270	2.051	2.004	1.803	2.202	12.95
17)	2-Methylphenol	1.131	1.170	1.124	1.200	1.115	1.098	0.980	1.117	6.23
18)	Hexachloroethane	0.760	0.720	0.671	0.683	0.608	0.596	0.530	0.653	12.10
19) P	n-Nitroso-di-n...	1.339	1.334	1.223	1.289	1.190	1.156	1.053	1.226	8.46
20)	3+4-Methylphenols	1.421	1.519	1.509	1.642	1.519	1.483	1.335	1.490	6.37
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.599	0.571	0.523	0.566	0.542	0.505	0.485	0.541	7.39
23) S	Nitrobenzene-d5	0.474	0.479	0.465	0.502	0.473	0.441	0.426	0.466	5.41
24)	Nitrobenzene	0.497	0.483	0.453	0.486	0.453	0.425	0.406	0.458	7.35
25)	Isophorone	0.859	0.811	0.734	0.782	0.743	0.687	0.664	0.754	9.07
26) C	2-Nitrophenol	0.141	0.157	0.159	0.176	0.169	0.158	0.159	0.160	6.90
27)	2,4-Dimethylph...	0.269	0.280	0.262	0.283	0.265	0.244	0.236	0.263	6.66
28)	bis(2-Chloroet...	0.410	0.432	0.421	0.449	0.423	0.388	0.377	0.414	6.01
29) C	2,4-Dichloroph...	0.281	0.299	0.293	0.331	0.313	0.293	0.288	0.300	5.70
30)	1,2,4-Trichlor...	0.441	0.406	0.376	0.394	0.370	0.343	0.329	0.380	10.03
31)	Naphthalene	1.220	1.167	1.074	1.143	1.056	0.988	0.935	1.083	9.32
32)	Benzoic acid	0.138	0.117	0.149	0.189	0.185	0.183	0.188	0.164	17.81
33)	4-Chloroaniline	0.275	0.313	0.344	0.406	0.385	0.368	0.362	0.351	12.69
34) C	Hexachlorobuta...	0.310	0.286	0.264	0.279	0.256	0.235	0.224	0.265	11.24
35)	Caprolactam	0.051	0.059	0.054	0.066	0.064	0.061	0.059	0.059	8.87
36) C	4-Chloro-3-met...	0.371	0.399	0.386	0.415	0.394	0.371	0.354	0.384	5.39
37)	2-Methylnaphth...	0.802	0.791	0.748	0.796	0.749	0.699	0.661	0.749	7.12
38)	1-Methylnaphth...	0.849	0.799	0.722	0.789	0.724	0.690	0.660	0.748	8.94

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.622	0.623	0.571	0.590	0.576	0.532	0.518	0.576	7.01
41) P	Hexachlorocycl...	0.205	0.232	0.245	0.275	0.281	0.261	0.245	0.249	10.54
42) S	2,4,6-Tribromo...	0.224	0.232	0.221	0.239	0.234	0.216	0.209	0.225	4.72
43) C	2,4,6-Trichlor...	0.380	0.404	0.377	0.408	0.395	0.376	0.356	0.385	4.73
44)	2,4,5-Trichlor...	0.418	0.419	0.415	0.436	0.418	0.388	0.383	0.411	4.62
45) S	2-Fluorobiphenyl	1.626	1.566	1.447	1.461	1.424	1.321	1.276	1.446	8.58
46)	1,1'-Biphenyl	1.609	1.609	1.486	1.521	1.470	1.360	1.312	1.481	7.69
47)	2-Chloronaphth...	1.237	1.220	1.151	1.188	1.139	1.056	1.023	1.145	7.01
48)	2-Nitroaniline	0.332	0.366	0.391	0.422	0.418	0.401	0.400	0.390	8.05
49)	Acenaphthylene	1.963	1.931	1.806	1.887	1.820	1.678	1.611	1.814	7.16
50)	Dimethylphthalate	1.712	1.644	1.480	1.559	1.490	1.384	1.335	1.515	8.90
51)	2,6-Dinitrotol...	0.268	0.294	0.284	0.311	0.300	0.277	0.270	0.286	5.64
52) C	Acenaphthene	1.240	1.165	1.103	1.136	1.078	1.012	0.975	1.102	8.22
53)	3-Nitroaniline	0.226	0.242	0.260	0.304	0.293	0.281	0.273	0.269	10.30
54) P	2,4-Dinitrophenol		0.083	0.095	0.128	0.144	0.146	0.152	0.125	23.21
55)	Dibenzofuran	2.080	2.022	1.866	1.919	1.838	1.700	1.642	1.867	8.50
56) P	4-Nitrophenol		0.124	0.159	0.217	0.218	0.206	0.211	0.189	20.40
57)	2,4-Dinitrotol...	0.358	0.377	0.395	0.423	0.415	0.394	0.378	0.392	5.77
58)	Fluorene	1.648	1.614	1.495	1.552	1.488	1.368	1.321	1.498	8.05
59)	2,3,4,6-Tetrac...	0.383	0.394	0.370	0.396	0.386	0.349	0.340	0.374	5.85
60)	Diethylphthalate	1.786	1.731	1.607	1.701	1.638	1.497	1.444	1.629	7.61
61)	4-Chlorophenyl...	0.827	0.831	0.791	0.817	0.777	0.715	0.686	0.778	7.32
62)	4-Nitroaniline	0.113	0.209	0.240	0.283	0.300	0.281	0.279	0.244	26.83
63)	Azobenzene	1.955	1.932	1.803	1.918	1.841	1.711	1.634	1.828	6.59
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.078	0.088	0.109	0.112	0.111	0.111	0.102	14.50
66) c	n-Nitrosodiphe...	0.636	0.607	0.598	0.629	0.597	0.556	0.534	0.594	6.25
67)	4-Bromophenyl-...	0.250	0.232	0.219	0.226	0.211	0.198	0.191	0.218	9.27
68)	Hexachlorobenzene	0.271	0.248	0.234	0.242	0.228	0.213	0.203	0.234	9.57
69)	Atrazine	0.138	0.141	0.131	0.143	0.120	0.108	0.099	0.126	13.50
70) C	Pentachlorophenol	0.119	0.126	0.130	0.146	0.140	0.130	0.129	0.132	6.74
71)	Phenanthrene	1.257	1.187	1.108	1.163	1.086	1.018	0.971	1.113	8.88
72)	Anthracene	1.208	1.135	1.075	1.151	1.069	1.014	0.964	1.088	7.69
73)	Carbazole	0.952	0.990	0.967	1.035	0.982	0.922	0.878	0.961	5.25
74)	Di-n-butylphth...	1.411	1.389	1.320	1.419	1.350	1.259	1.203	1.336	6.07
75) C	Fluoranthene	1.414	1.374	1.292	1.359	1.254	1.165	1.105	1.280	8.90
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.095	0.109	0.083	0.096	0.097	0.091	0.082	0.094	9.98
78)	Pyrene	1.710	1.669	1.579	1.649	1.582	1.460	1.398	1.578	7.19
79) S	Terphenyl-d14	1.377	1.373	1.262	1.325	1.275	1.169	1.112	1.270	7.88
80)	Butylbenzylpht...	0.763	0.737	0.687	0.738	0.716	0.668	0.635	0.706	6.37
81)	Benzo(a)anthra...	1.515	1.459	1.325	1.369	1.322	1.228	1.165	1.340	9.11
82)	3,3'-Dichlorob...	0.515	0.548	0.544	0.552	0.547	0.507	0.466	0.526	6.03
83)	Chrysene	1.429	1.389	1.272	1.344	1.286	1.185	1.129	1.291	8.33
84)	Bis(2-ethylhex...	1.134	1.109	1.023	1.066	1.037	0.955	0.923	1.035	7.43

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85) c	Di-n-octyl pht...	1.873	1.818	1.667	1.704	1.678	1.551	1.488	1.683	8.08
86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	0.914	0.918	0.885	0.963	0.947	0.933	0.895	0.922	3.00
88)	Benzo(b)fluora...	1.409	1.390	1.223	1.309	1.313	1.211	1.123	1.282	8.02
89)	Benzo(k)fluora...	1.545	1.342	1.282	1.360	1.222	1.194	1.136	1.297	10.43
90) C	Benzo(a)pyrene	1.026	0.985	0.943	1.001	0.953	0.927	0.883	0.960	5.03
91)	Dibenzo(a,h)an...	0.656	0.639	0.668	0.742	0.736	0.719	0.682	0.692	5.91
92)	Benzo(g,h,i)pe...	0.955	0.882	0.850	0.902	0.909	0.883	0.845	0.889	4.23

(#) = Out of Range