

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF110817.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 14 02:37:14 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF100282.D 10 =BF100283.D 25 =BF100284.D 40 =BF100285.D 50 =BF100286.D 60 =BF100287.D 80 =BF100288.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.662	0.611	0.633	0.608	0.587	0.585	0.571	0.608	5.14
3)	Pyridine	1.578	1.596	1.753	1.707	1.658	1.668	1.650	1.659	3.64
4)	n-Nitrosodimet...	0.750	0.774	0.831	0.827	0.814	0.823	0.817	0.805	3.83
5) S	2-Fluorophenol	1.383	1.338	1.314	1.231	1.170	1.178	1.119	1.248	7.92
6)	Aniline	2.205	2.210	2.289	2.189	2.134	2.131	2.057	2.174	3.41
7) S	Phenol-d6	1.672	1.641	1.614	1.532	1.469	1.449	1.393	1.539	6.91
8)	2-Chlorophenol	1.428	1.422	1.399	1.310	1.267	1.237	1.176	1.320	7.49
9)	Benzaldehyde	1.239	1.197	1.166	1.090	1.048	1.004	0.946	1.099	9.73
10) C	Phenol	1.800	1.713	1.680	1.592	1.545	1.519	1.458	1.615	7.48
11)	bis(2-Chloroet...	1.453	1.427	1.438	1.345	1.299	1.296	1.238	1.357	6.17
12)	1,3-Dichlorobe...	1.679	1.633	1.585	1.515	1.449	1.429	1.362	1.522	7.63
13) C	1,4-Dichlorobe...	1.733	1.653	1.609	1.523	1.465	1.431	1.367	1.540	8.50
14)	1,2-Dichlorobe...	1.634	1.549	1.524	1.409	1.338	1.300	1.214	1.424	10.60
15)	Benzyl Alcohol	1.181	1.244	1.296	1.226	1.186	1.167	1.106	1.201	5.08
16)	2,2'-oxybis(1-...	2.305	2.246	2.252	2.165	2.094	2.090	2.037	2.170	4.64
17)	2-Methylphenol	1.136	1.167	1.180	1.125	1.102	1.104	1.082	1.128	3.17
18)	Hexachloroethane	0.526	0.518	0.534	0.517	0.497	0.491	0.471	0.508	4.35
19) P	n-Nitroso-di-n...	1.115	1.111	1.133	1.052	1.022	1.026	1.010	1.067	4.79
20)	3+4-Methylphenols	1.547	1.570	1.540	1.431	1.341	1.327	1.235	1.427	9.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.578	0.542	0.514	0.476	0.456	0.439	0.409	0.488	12.22
23) S	Nitrobenzene-d5	0.256	0.307	0.315	0.318	0.316	0.303	0.303		7.75
24)	Nitrobenzene	0.225	0.307	0.338	0.335	0.333	0.328	0.313	0.311	12.79
25)	Isophorone	0.657	0.655	0.657	0.637	0.623	0.622	0.599	0.636	3.48
26) C	2-Nitrophenol	0.078	0.120	0.143	0.151	0.153	0.150	0.132		22.29
27)	2,4-Dimethylph...	0.272	0.300	0.298	0.291	0.286	0.282	0.266	0.285	4.50
28)	bis(2-Chloroet...	0.442	0.454	0.435	0.413	0.403	0.391	0.371	0.416	7.15
29) C	2,4-Dichloroph...	0.246	0.278	0.287	0.282	0.279	0.273	0.259	0.272	5.32
30)	1,2,4-Trichlor...	0.318	0.314	0.310	0.293	0.285	0.279	0.261	0.294	7.09
31)	Naphthalene	1.101	1.056	1.015	0.953	0.921	0.880	0.817	0.963	10.44
32)	Benzoic acid	0.074	0.153	0.195	0.221	0.230	0.242	0.186		34.03
33)	4-Chloroaniline	0.429	0.446	0.429	0.406	0.393	0.362	0.343	0.401	9.45
34) C	Hexachlorobuta...	0.194	0.188	0.181	0.175	0.170	0.165	0.153	0.175	8.05
35)	Caprolactam	0.070	0.093	0.099	0.094	0.096	0.103	0.099	0.093	11.66
36) C	4-Chloro-3-met...	0.276	0.301	0.308	0.300	0.296	0.287	0.277	0.292	4.27
37)	2-Methylnaphth...	0.723	0.712	0.678	0.631	0.606	0.585	0.542	0.640	10.56

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.750	0.748	0.697	0.657	0.625	0.610	0.556	0.663	10.96
40) P	Hexachlorocycl...	0.253	0.298	0.323	0.332	0.333	0.330	0.318	0.312	9.23
41) S	2,4,6-Tribromo...	0.180	0.223	0.224	0.210	0.205	0.197	0.188	0.204	8.13
42) C	2,4,6-Trichlor...	0.377	0.429	0.436	0.437	0.428	0.421	0.416	0.420	4.94
43)	2,4,5-Trichlor...	0.374	0.459	0.465	0.446	0.447	0.442	0.415	0.436	7.26
44) S	2-Fluorobiphenyl		1.591	1.382	1.262	1.203	1.130		1.313	13.74
45)	1,1'-Biphenyl	2.066	1.988	1.790	1.668	1.631	1.541	1.424	1.730	13.47
46)	2-Chloronaphth...	1.394	1.394	1.302	1.240	1.211	1.149	1.094	1.255	9.20
47)	2-Nitroaniline		0.245	0.350	0.369	0.383	0.380	0.373	0.350	15.05
48)	Acenaphthylene	2.314	2.354	2.202	2.043	1.973	1.895	1.777	2.080	10.45
49)	Dimethylphthalate	1.626	1.712	1.593	1.481	1.464	1.424	1.388	1.527	7.77
50)	2,6-Dinitrotol...		0.266	0.308	0.313	0.318	0.309	0.299	0.302	6.26
51) C	Acenaphthene	1.426	1.420	1.315	1.227	1.206	1.158	1.101	1.265	9.99
52)	3-Nitroaniline		0.317	0.367	0.367	0.372	0.362	0.357	0.357	5.71
53) P	2,4-Dinitrophenol		0.034	0.067	0.090	0.107	0.120	0.131	0.091	39.42
54)	Dibenzofuran	2.032	2.021	1.854	1.742	1.683	1.587	1.490	1.773	11.71
55) P	4-Nitrophenol		0.240	0.299	0.299	0.302	0.301	0.297	0.290	8.36
56)	2,4-Dinitrotol...		0.289	0.387	0.404	0.405	0.403	0.399	0.381	11.95
57)	Fluorene		1.612	1.412	1.294	1.235	1.161	1.079	1.299	14.70
58)	2,3,4,6-Tetrac...	0.325	0.381	0.379	0.368	0.366	0.352	0.328	0.357	6.41
59)	Diethylphthalate	1.678	1.714	1.602	1.491	1.468	1.402	1.342	1.528	9.18
60)	4-Chlorophenyl...		0.792	0.695	0.632	0.609	0.574	0.521	0.637	14.98
61)	4-Nitroaniline		0.303	0.347	0.353	0.349	0.341	0.339	0.338	5.44
62)	Azobenzene	1.626	1.628	1.504	1.402	1.367	1.314	1.235	1.439	10.57
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.038	0.074	0.093	0.101	0.108	0.110	0.087	31.44
65) c	n-Nitrosodiphe...	0.778	0.780	0.734	0.690	0.654	0.635	0.598	0.695	10.21
66)	4-Bromophenyl-...	0.231	0.233	0.226	0.214	0.205	0.202	0.190	0.214	7.68
67)	Hexachlorobenzene	0.241	0.245	0.234	0.224	0.215	0.210	0.201	0.224	7.30
68)	Atrazine	0.210	0.228	0.226	0.213	0.203	0.200	0.193	0.211	6.17
69) C	Pentachlorophenol		0.148	0.171	0.164	0.164	0.161	0.157	0.161	4.85
70)	Phenanthrene	1.273	1.221	1.107	1.009	0.965	0.923	0.873	1.053	14.42
71)	Anthracene	1.262	1.216	1.138	1.031	0.985	0.948	0.898	1.068	13.00
72)	Carbazole	1.137	1.131	1.051	0.955	0.914	0.879	0.833	0.986	12.35
73)	Di-n-butylphth...	1.198	1.323	1.271	1.138	1.091	1.048	1.007	1.154	10.10
74) C	Fluoranthene	1.299	1.310	1.189	1.072	1.023	0.990	0.929	1.116	13.57
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.664	0.798	0.917	0.859	0.859	0.764	0.745	0.801	10.64
77)	Pyrene	1.529	1.494	1.496	1.420	1.390	1.326	1.324	1.426	5.86
78) S	Terphenyl-d14	1.084	0.979	0.910	0.828	0.792	0.768	0.732	0.870	14.59
79)	Butylbenzylphth...		0.515	0.605	0.596	0.595	0.587	0.591	0.581	5.67
80)	Benzo(a)anthra...	1.318	1.309	1.263	1.201	1.161	1.113	1.066	1.204	8.08
81)	3,3'-Dichlorob...	0.393	0.467	0.482	0.455	0.428	0.411	0.384	0.432	8.71
82)	Chrysene	1.292	1.279	1.221	1.149	1.118	1.075	1.031	1.166	8.64

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83)	Bis(2-ethylhex...	0.648	0.803	0.828	0.806	0.787	0.757	0.724	0.765	8.06
84) c	Di-n-octyl pht...		1.253	1.373	1.384	1.320	1.301	1.252	1.314	4.33
85)	Indeno(1,2,3-c...	0.976	1.036	0.988	0.917	0.880	0.881	0.925	0.943	6.22
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.196	1.204	1.202	1.175	1.198	1.170	1.150	1.185	1.71
88)	Benzo(k)fluora...	1.177	1.217	1.167	1.177	1.085	1.076	0.938	1.120	8.51
89) C	Benzo(a)pyrene	1.048	1.101	1.098	1.074	1.037	1.024	0.972	1.050	4.32
90)	Dibenzo(a,h)an...	0.855	0.914	0.868	0.846	0.835	0.846	0.850	0.859	3.03
91)	Benzo(g,h,i)pe...	0.828	0.860	0.817	0.815	0.832	0.853	0.883	0.841	3.00

(#) = Out of Range