

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF112115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sun Nov 22 09:22:46 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF083110.D 10 =BF083111.D 25 =BF083112.D 40 =BF083113.D 50 =BF083114.D 60 =BF083115.D 80 =BF083116.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.688	0.636	0.689	0.628	0.660	0.635	0.650	0.655	3.81
3)	Pyridine	1.648	1.703	1.704	1.628	1.860	1.840	1.731		5.63
4)	n-Nitrosodimet...	0.647	0.662	0.835	0.873	0.798	0.865	0.908	0.798	13.03
5) S	2-Fluorophenol	1.469	1.363	1.418	1.298	1.223	1.224	1.266	1.323	7.27
6)	Aniline	1.793	2.050	2.268	2.172	2.126	2.099	2.134	2.092	7.07
7) S	Phenol-d6	1.901	1.877	1.703	1.631	1.640	1.636	1.594	1.712	7.33
8)	2-Chlorophenol	1.583	1.519	1.543	1.387	1.329	1.297	1.348	1.429	8.11
9)	Benzaldehyde	1.124	1.089	1.064	0.867	0.764	0.718	0.635	0.894	22.15
10) C	Phenol	2.365	2.213	2.144	1.844	1.951	2.000	1.977	2.071	8.63
11)	bis(2-Chloroet...	1.662	1.454	1.541	1.447	1.374	1.357	1.515	1.479	7.11
12)	1,3-Dichlorobe...	1.861	1.710	1.657	1.581	1.504	1.533	1.578	1.632	7.54
13) C	1,4-Dichlorobe...	1.990	1.741	1.742	1.591	1.487	1.477	1.527	1.651	11.26
14)	1,2-Dichlorobe...	1.754	1.577	1.600	1.505	1.420	1.358	1.289	1.500	10.59
15)	Benzyl Alcohol	1.541	1.334	1.475	1.444	1.417	1.421	1.381	1.430	4.63
16)	2,2'-oxybis(1-...	2.669	2.427	2.461	2.235	2.111	2.119	2.118	2.306	9.42
17)	2-Methylphenol	1.343	1.211	1.248	1.145	1.098	1.083	1.151	1.183	7.75
18)	Hexachloroethane	0.618	0.564	0.604	0.579	0.558	0.566	0.581	0.581	3.78
19) P	n-Nitroso-di-n...	1.280	1.231	1.270	1.124	1.178	1.153	1.102	1.191	5.91
20)	3+4-Methylphenols	1.704	1.577	1.599	1.493	1.349	1.368	1.376	1.495	9.19
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.626	0.599	0.611	0.542	0.541	0.544	0.557	0.574	6.34
23) S	Nitrobenzene-d5	0.474	0.463	0.451	0.430	0.432	0.417	0.396	0.438	6.24
24)	Nitrobenzene	0.500	0.471	0.532	0.457	0.418	0.423	0.472	0.468	8.65
25)	Isophorone	0.859	0.825	0.898	0.807	0.806	0.801	0.805	0.829	4.43
26) C	2-Nitrophenol	0.191	0.195	0.225	0.220	0.213	0.208	0.194	0.206	6.59
27)	2,4-Dimethylph...	0.326	0.363	0.346	0.314	0.319	0.312	0.327	0.330	5.66
28)	bis(2-Chloroet...	0.500	0.471	0.512	0.483	0.482	0.464	0.462	0.482	3.86
29) C	2,4-Dichloroph...	0.324	0.337	0.346	0.315	0.301	0.293	0.278	0.313	7.73
30)	1,2,4-Trichlor...	0.375	0.349	0.365	0.336	0.336	0.328	0.321	0.344	5.70
31)	Naphthalene	1.256	1.129	1.110	1.055	1.018	1.017	0.970	1.079	8.84
32)	Benzoic acid	0.204	0.229	0.281	0.275	0.265	0.254	0.285	0.256	11.67
33)	4-Chloroaniline	0.428	0.419	0.461	0.408	0.406	0.394	0.415	0.419	5.17
34) C	Hexachlorobuta...	0.221	0.206	0.212	0.199	0.197	0.190	0.198	0.203	5.18
35)	Caprolactam	0.090	0.088	0.112	0.098	0.108	0.105	0.103	0.100	8.85
36) C	4-Chloro-3-met...	0.376	0.398	0.358	0.350	0.377	0.361	0.321	0.363	6.71
37)	2-Methylnaphth...	0.833	0.780	0.772	0.670	0.637	0.615	0.596	0.701	13.31

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.688	0.655	0.655	0.626	0.651	0.640	0.623	0.648	3.35
40) P	Hexachlorocycl...	0.296	0.350	0.386	0.378	0.403	0.382	0.386	0.369	9.72
41) S	2,4,6-Tribromo...	0.218	0.204	0.222	0.210	0.206	0.188	0.184	0.205	7.00
42) C	2,4,6-Trichlor...	0.466	0.450	0.481	0.458	0.475	0.450	0.469	0.464	2.58
43)	2,4,5-Trichlor...	0.483	0.484	0.482	0.461	0.491	0.463	0.458	0.475	2.82
44) S	2-Fluorobiphenyl	1.812	1.634	1.436	1.257	1.329	1.285	1.287	1.434	14.75
45)	1,1'-Biphenyl	1.923	1.775	1.846	1.751	1.674	1.528	1.419	1.702	10.40
46)	2-Chloronaphth...	1.499	1.395	1.370	1.296	1.331	1.264	1.205	1.337	7.18
47)	2-Nitroaniline	0.435	0.498	0.493	0.449	0.467	0.449	0.521	0.473	6.67
48)	Acenaphthylene	2.319	2.246	2.150	2.048	2.040	1.899	1.802	2.072	8.84
49)	Dimethylphthalate	1.727	1.544	1.680	1.510	1.400	1.381	1.537	1.540	8.41
50)	2,6-Dinitrotol...	0.336	0.364	0.352	0.313	0.352	0.350	0.352	0.345	4.78
51) C	Acenaphthene	1.446	1.257	1.240	1.244	1.247	1.162	1.232	1.261	6.92
52)	3-Nitroaniline	0.298	0.391	0.365	0.378	0.417	0.389	0.341	0.368	10.52
53) P	2,4-Dinitrophenol		0.165	0.209	0.202	0.202	0.195	0.222	0.199	9.48
54)	Dibenzofuran	2.094	1.912	1.852	1.776	1.740	1.598	1.511	1.783	10.94
55) P	4-Nitrophenol		0.249	0.308	0.276	0.283	0.260	0.320	0.282	9.66
56)	2,4-Dinitrotol...	0.438	0.467	0.464	0.408	0.438	0.433	0.416	0.438	4.99
57)	Fluorene	1.732	1.578	1.437	1.404	1.443	1.382	1.339	1.474	9.25
58)	2,3,4,6-Tetrac...	0.400	0.410	0.420	0.395	0.382	0.368	0.351	0.389	6.18
59)	Diethylphthalate	1.666	1.555	1.590	1.522	1.558	1.465	1.374	1.533	6.08
60)	4-Chlorophenyl...	0.821	0.754	0.705	0.637	0.615	0.586	0.605	0.675	13.03
61)	4-Nitroaniline	0.298	0.343	0.396	0.383	0.370	0.357	0.392	0.363	9.43
62)	Azobenzene	1.937	1.887	1.869	1.684	1.667	1.546	1.655	1.749	8.40
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.105	0.133	0.145	0.149	0.138	0.138	0.156	0.138	11.81
65) c	n-Nitrosodiphe...	0.748	0.680	0.758	0.645	0.621	0.621	0.688	0.680	8.26
66)	4-Bromophenyl-...	0.229	0.214	0.232	0.224	0.229	0.218	0.206	0.222	4.22
67)	Hexachlorobenzene	0.261	0.259	0.265	0.239	0.228	0.220	0.239	0.244	7.21
68)	Atrazine	0.211	0.210	0.232	0.200	0.187	0.180	0.163	0.198	11.47
69) C	Pentachlorophenol	0.137	0.152	0.169	0.163	0.168	0.166	0.159	0.159	7.11
70)	Phenanthrene	1.388	1.211	1.266	1.131	1.058	1.031	0.980	1.152	12.56
71)	Anthracene	1.321	1.266	1.194	1.090	1.130	1.131	1.098	1.176	7.54
72)	Carbazole	1.180	1.052	1.136	1.055	1.025	0.967	0.898	1.045	9.14
73)	Di-n-butylphth...	1.373	1.324	1.385	1.246	1.252	1.206	1.141	1.275	7.03
74) C	Fluoranthene	1.372	1.274	1.217	1.082	1.077	1.085	1.148	1.179	9.63
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.463	0.599	0.566	0.539	0.513	0.465	0.524	10.48
77)	Pyrene	1.481	1.415	1.477	1.313	1.307	1.279	1.292	1.366	6.50
78) S	Terphenyl-d14	0.932	0.871	0.848	0.838	0.855	0.842	0.759	0.849	6.01
79)	Butylbenzylpht...	0.621	0.628	0.683	0.645	0.648	0.663	0.640	0.647	3.24
80)	Benzo(a)anthra...	1.262	1.276	1.301	1.224	1.199	1.191	1.206	1.237	3.46
81)	3,3'-Dichlorob...	0.429	0.420	0.449	0.424	0.443	0.434	0.415	0.431	2.82
82)	Chrysene	1.312	1.214	1.237	1.083	1.063	1.046	1.074	1.147	9.19

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83)	Bis(2-ethylhex...	0.882	0.837	0.887	0.816	0.834	0.826	0.829	0.845	3.36
84) c	Di-n-octyl pht...	1.555	1.461	1.561	1.407	1.422	1.381	1.390	1.454	5.22
85)	Indeno(1,2,3-c...	1.211	1.096	1.032	0.955	0.969	1.013	1.029	1.043	8.35
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.606	1.187	1.529	1.368	1.317	1.331	1.227	1.367	11.14
88)	Benzo(k)fluora...	1.078	1.266	0.957	0.938	0.974	0.891	1.024	1.018	12.25
89) C	Benzo(a)pyrene	1.287	1.164	1.136	1.097	1.085	1.072	1.056	1.128	7.04
90)	Dibenzo(a,h)an...	1.169	1.050	1.000	0.966	0.978	0.986	1.024	1.025	6.81
91)	Benzo(g,h,i)pe...	1.139	0.988	0.968	0.943	0.968	0.982	1.015	1.000	6.51

(#) = Out of Range