

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF021215.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 13 13:10:36 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF077284.D 10 =BF077285.D 25 =BF077286.D 40 =BF077287.D 50 =BF077288.D 60 =BF077289.D 80 =BF077290.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.527	0.577	0.442	0.449	0.442	0.499	0.441	0.483	11.13
3)	Pyridine	1.111	1.230	1.285	1.113	1.591	1.343	1.279		13.96
4)	n-Nitrosodimet...	1.134	0.779	0.708	0.604	0.618	0.603	0.741		27.64
5) S	2-Fluorophenol	0.734	1.195	1.267	1.283	1.207	1.403	1.246	1.191	17.84
6)	Aniline	1.679	2.182	2.137	2.200	2.039	2.333	2.088	2.094	9.82
7) S	Phenol-d6	1.355	1.683	1.595	1.633	1.511	1.715	1.588	1.583	7.62
8)	2-Chlorophenol	1.306	1.462	1.460	1.535	1.413	1.563	1.421	1.451	5.83
9)	Benzaldehyde	0.866	1.130	1.116	0.977	0.932	1.003	0.798	0.975	12.57
10) C	Phenol	1.283	1.709	1.750	1.691	1.577	1.756	1.622	1.627	10.15
11)	bis(2-Chloroet...	1.102	1.260	1.352	1.411	1.229	1.436	1.287	1.297	8.88
12)	1,3-Dichlorobe...	1.477	1.655	1.605	1.617	1.559	1.729	1.588	1.604	4.88
13) C	1,4-Dichlorobe...	1.585	1.801	1.617	1.659	1.580	1.731	1.608	1.654	5.02
14)	1,2-Dichlorobe...	1.471	1.624	1.549	1.598	1.509	1.667	1.555	1.567	4.30
15)	Benzyl Alcohol	0.855	1.229	1.363	1.324	1.284	1.394	1.327	1.254	14.66
16)	2,2'-oxybis(1-...	1.732	1.877	1.846	1.818	1.741	1.932	1.774	1.817	4.05
17)	2-Methylphenol	0.930	1.160	1.188	1.172	1.094	1.210	1.104	1.122	8.46
18)	Hexachloroethane	0.473	0.661	0.611	0.624	0.598	0.641	0.599	0.601	10.12
19) P	n-Nitroso-di-n...	1.099	1.125	1.105	1.128	1.085	1.173	1.076	1.113	2.91
20)	3+4-Methylphenols	0.914	1.446	1.507	1.496	1.346	1.546	1.409	1.381	15.66
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.400	0.463	0.490	0.513	0.503	0.494	0.499	0.480	8.03
23) S	Nitrobenzene-d5	0.289	0.357	0.351	0.379	0.353	0.362	0.360	0.350	8.15
24)	Nitrobenzene	0.329	0.352	0.339	0.364	0.343	0.352	0.351	0.347	3.26
25)	Isophorone	0.572	0.642	0.627	0.662	0.634	0.637	0.644	0.631	4.50
26) C	2-Nitrophenol	0.080	0.159	0.164	0.171	0.169	0.177	0.175	0.156	21.91
27)	2,4-Dimethylph...	0.213	0.297	0.295	0.302	0.286	0.297	0.295	0.284	11.16
28)	bis(2-Chloroet...	0.340	0.387	0.382	0.417	0.390	0.383	0.390	0.384	5.87
29) C	2,4-Dichloroph...	0.179	0.259	0.271	0.297	0.273	0.270	0.265	0.259	14.42
30)	1,2,4-Trichlor...	0.284	0.293	0.289	0.304	0.297	0.293	0.290	0.293	2.16
31)	Naphthalene	0.965	1.039	0.988	1.009	0.967	0.974	0.968	0.987	2.79
32)	Benzoic acid			0.028	0.048	0.047	0.051	0.056	0.046	23.37
33)	4-Chloroaniline	0.328	0.403	0.404	0.421	0.412	0.415	0.404	0.398	7.90
34) C	Hexachlorobuta...	0.163	0.180	0.162	0.164	0.167	0.161	0.168	0.166	3.86
35)	Caprolactam			0.078	0.079	0.079	0.076	0.079	0.078	1.50
36) C	4-Chloro-3-met...	0.259	0.272	0.288	0.301	0.303	0.305	0.301	0.290	6.17
37)	2-Methylnaphth...	0.878	0.728	0.695	0.730	0.727	0.709	0.713	0.740	8.42

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.468	0.510	0.499	0.530	0.516	0.511	0.490	0.503	4.01
40) P	Hexachlorocycl...		0.109	0.171	0.221	0.218	0.236	0.254	0.202	26.34
41) S	2,4,6-Tribromo...	0.125	0.169	0.167	0.174	0.169	0.174	0.165	0.163	10.61
42) C	2,4,6-Trichlor...	0.204	0.334	0.320	0.334	0.334	0.336	0.329	0.313	15.43
43)	2,4,5-Trichlor...	0.201	0.260	0.340	0.353	0.322	0.315	0.325	0.302	17.65
44) S	2-Fluorobiphenyl	1.284	1.451	1.307	1.388	1.284	1.326	1.263	1.329	5.07
45)	1,1'-Biphenyl	1.417	1.717	1.507	1.602	1.511	1.544	1.490	1.541	6.20
46)	2-Chloronaphth...	1.233	1.309	1.193	1.259	1.221	1.229	1.172	1.231	3.61
47)	2-Nitroaniline	0.240	0.377	0.365	0.397	0.371	0.386	0.383	0.360	14.97
48)	Acenaphthylene	1.753	2.145	1.955	2.005	1.912	1.950	1.874	1.942	6.18
49)	Dimethylphthalate	1.424	1.544	1.406	1.497	1.428	1.445	1.380	1.446	3.90
50)	2,6-Dinitrotol...	0.187	0.289	0.289	0.296	0.296	0.304	0.297	0.280	14.77
51) C	Acenaphthene	1.174	1.176	1.129	1.159	1.093	1.092	1.050	1.125	4.28
52)	3-Nitroaniline	0.152	0.353	0.347	0.358	0.334	0.350	0.336	0.319	23.23
53) P	2,4-Dinitrophenol			0.033	0.066	0.081	0.085	0.104	0.074	35.76
54)	Dibenzofuran	1.732	1.844	1.703	1.781	1.704	1.743	1.665	1.739	3.38
55) P	4-Nitrophenol		0.131	0.158	0.166	0.177	0.179	0.188	0.166	12.16
56)	2,4-Dinitrotol...	0.214	0.388	0.382	0.422	0.401	0.410	0.391	0.373	19.15
57)	Fluorene	1.421	1.552	1.376	1.467	1.371	1.441	1.337	1.424	5.06
58)	2,3,4,6-Tetrac...		0.181	0.190	0.240	0.238	0.216	0.248	0.219	12.88
59)	Diethylphthalate	1.411	1.607	1.494	1.588	1.499	1.495	1.450	1.506	4.65
60)	4-Chlorophenyl...	0.535	0.650	0.594	0.611	0.582	0.594	0.578	0.592	5.88
61)	4-Nitroaniline	0.198	0.302	0.329	0.341	0.316	0.323	0.311	0.303	15.77
62)	Azobenzene	1.551	1.517	1.428	1.447	1.399	1.386	1.330	1.437	5.31
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.064	0.089	0.114	0.113	0.117	0.127	0.104	22.40
65) c	n-Nitrosodiphe...	0.664	0.740	0.725	0.736	0.700	0.719	0.711	0.713	3.64
66)	4-Bromophenyl-...	0.183	0.221	0.207	0.218	0.206	0.218	0.210	0.209	6.23
67)	Hexachlorobenzene	0.191	0.224	0.213	0.222	0.210	0.216	0.214	0.213	5.06
68)	Atrazine	0.184	0.238	0.239	0.220	0.230	0.243	0.227	0.226	8.83
69) C	Pentachlorophenol		0.018	0.041	0.056	0.058	0.061	0.069	0.051	36.18#
70)	Phenanthrene	1.162	1.260	1.236	1.248	1.137	1.214	1.187	1.206	3.82
71)	Anthracene	1.144	1.251	1.243	1.271	1.164	1.216	1.184	1.210	3.93
72)	Carbazole	1.103	1.213	1.175	1.204	1.096	1.152	1.148	1.156	3.94
73)	Di-n-butylphth...	1.303	1.484	1.509	1.528	1.451	1.508	1.516	1.471	5.33
74) C	Fluoranthene	1.174	1.332	1.266	1.277	1.192	1.252	1.206	1.242	4.46
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.937	0.850	0.750	0.832	0.685		0.811	11.91
77)	Pyrene	1.328	1.417	1.324	1.336	1.371	1.261	1.300	1.334	3.75
78) S	Terphenyl-d14	0.869	0.904	0.890	0.914	0.881	0.879	0.896	0.890	1.75
79)	Butylbenzylphth...	0.575	0.698	0.666	0.715	0.698	0.671	0.705	0.675	7.03
80)	Benzo(a)anthra...	1.232	1.177	1.193	1.286	1.243	1.235	1.251	1.231	2.96
81)	3,3'-Dichlorob...	0.380	0.447	0.443	0.469	0.447	0.420	0.416	0.432	6.68
82)	Chrysene	1.076	1.191	1.138	1.114	1.139	1.058	1.093	1.115	4.01

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83)	Bis(2-ethylhex...	0.944	1.015	1.018	1.026	1.044	0.972	1.015	1.005	3.45
84) c	Di-n-octyl pht...	1.547	1.716	1.748	1.824	1.786	1.693	1.784	1.728	5.30
85)	Indeno(1,2,3-c...	0.935	1.105	1.056	1.138	1.117	1.100	1.143	1.085	6.65
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.256	1.519	1.523	1.294	1.586	1.560	1.230	1.424	10.97
88)	Benzo(k)fluora...	1.143	1.004	0.927	1.244	0.976	1.004	1.232	1.076	11.97
89) C	Benzo(a)pyrene	1.071	1.212	1.187	1.220	1.211	1.224	1.176	1.186	4.52
90)	Dibenzo(a,h)an...	0.998	1.053	1.044	1.055	1.088	1.091	1.044	1.053	2.96
91)	Benzo(g,h,i)pe...	0.976	1.053	0.997	1.048	1.111	1.072	1.037	1.042	4.33

(#) = Out of Range