

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF090115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Sep 01 17:35:35 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF081301.D 10 =BF081302.D 25 =BF081303.D 40 =BF081304.D 50 =BF081305.D 60 =BF081306.D 80 =BF081307.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.626	0.522	0.572	0.571	0.614	0.548	0.600	0.579	6.41
3)	Pyridine	1.361	1.440	1.840	1.674	1.492	1.772	1.596		12.13
4)	n-Nitrosodimet...	0.851	0.693	0.929	0.937	0.946	0.903	0.949	0.887	10.36
5) S	2-Fluorophenol	1.368	1.216	1.300	1.232	1.283	1.295	1.329	1.289	4.09
6)	Aniline	2.744	2.322	2.313	2.409	2.432	2.273	2.373	2.410	6.55
7) S	Phenol-d6	1.895	1.678	1.631	1.733	1.706	1.639	1.663	1.706	5.31
8)	2-Chlorophenol	1.523	1.272	1.443	1.417	1.396	1.428	1.464	1.420	5.42
9)	Benzaldehyde	1.157	1.032	1.087	1.072	1.110	0.995	1.030	1.069	5.14
10) C	Phenol	2.104	1.882	1.868	2.184	1.877	2.011	1.925	1.979	6.31
11)	bis(2-Chloroet...	1.511	1.380	1.370	1.437	1.600	1.337	1.358	1.428	6.73
12)	1,3-Dichlorobe...	1.638	1.416	1.447	1.488	1.611	1.531	1.492	1.518	5.39
13) C	1,4-Dichlorobe...	1.718	1.407	1.491	1.537	1.636	1.528	1.499	1.545	6.62
14)	1,2-Dichlorobe...	1.584	1.359	1.475	1.364	1.350	1.272	1.336	1.391	7.48
15)	Benzyl Alcohol	1.468	1.326	1.326	1.485	1.446	1.338	1.409	1.400	4.96
16)	2,2'-oxybis(1-...	3.184	2.754	2.824	2.622	2.607	2.656	2.509	2.736	8.12
17)	2-Methylphenol	1.165	1.013	1.167	1.153	1.131	1.154	1.151	1.133	4.81
18)	Hexachloroethane	0.644	0.565	0.621	0.603	0.618	0.583	0.573	0.601	4.75
19) P	n-Nitroso-di-n...	1.198	1.162	1.146	1.110	1.181	1.164	1.167	1.161	2.41
20)	3+4-Methylphenols	1.675	1.441	1.548	1.511	1.467	1.526	1.527	1.528	4.89
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.597	0.482	0.536	0.565	0.509	0.555	0.580	0.546	7.40
23) S	Nitrobenzene-d5	0.445	0.371	0.422	0.424	0.401	0.419	0.420	0.415	5.56
24)	Nitrobenzene	0.450	0.402	0.428	0.452	0.503	0.373	0.405	0.430	9.91
25)	Isophorone	0.810	0.660	0.795	0.763	0.781	0.805	0.783	0.771	6.70
26) C	2-Nitrophenol	0.190	0.164	0.185	0.179	0.182	0.205	0.207	0.188	8.03
27)	2,4-Dimethylph...	0.332	0.272	0.312	0.364	0.331	0.322	0.336	0.324	8.62
28)	bis(2-Chloroet...	0.458	0.375	0.452	0.502	0.450	0.440	0.440	0.445	8.40
29) C	2,4-Dichloroph...	0.306	0.240	0.287	0.291	0.275	0.280	0.288	0.281	7.30
30)	1,2,4-Trichlor...	0.320	0.260	0.288	0.322	0.318	0.309	0.321	0.305	7.62
31)	Naphthalene	1.202	0.998	1.148	1.071	1.006	0.995	1.047	1.067	7.55
32)	Benzoic acid	0.167	0.228	0.245	0.211	0.237	0.238	0.221		13.06
33)	4-Chloroaniline	0.455	0.386	0.435	0.497	0.491	0.389	0.392	0.435	10.99
34) C	Hexachlorobuta...	0.212	0.170	0.193	0.179	0.179	0.186	0.182	0.186	7.31
35)	Caprolactam	0.086	0.075	0.091	0.091	0.084	0.090	0.087	0.086	6.62
36) C	4-Chloro-3-met...	0.310	0.276	0.349	0.316	0.354	0.293	0.305	0.315	8.99
37)	2-Methylnaphth...	0.767	0.630	0.645	0.649	0.671	0.756	0.741	0.694	8.40

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.725	0.634	0.701	0.649	0.599	0.564	0.555	0.633	10.30
40) P	Hexachlorocycl...		0.228	0.325	0.317	0.322	0.339	0.333	0.310	13.27
41) S	2,4,6-Tribromo...	0.166	0.157	0.195	0.186	0.162	0.189	0.191	0.178	8.77
42) C	2,4,6-Trichlor...	0.451	0.395	0.442	0.427	0.457	0.445	0.439	0.437	4.73
43)	2,4,5-Trichlor...	0.438	0.414	0.482	0.457	0.451	0.432	0.445	0.445	4.79
44) S	2-Fluorobiphenyl	1.821	1.465	1.747	1.630	1.450	1.427	1.385	1.561	11.02
45)	1,1'-Biphenyl	2.153	1.831	1.928	1.652	1.587	1.853	1.877	1.840	10.09
46)	2-Chloronaphth...	1.605	1.300	1.306	1.418	1.406	1.116	1.148	1.329	12.64
47)	2-Nitroaniline	0.488	0.476	0.616	0.559	0.495	0.559	0.598	0.542	10.30
48)	Acenaphthylene	2.737	2.423	2.499	2.149	2.166	2.252	2.276	2.357	8.93
49)	Dimethylphthalate	1.905	1.572	1.668	1.497	1.442	1.405	1.389	1.554	11.80
50)	2,6-Dinitrotol...	0.385	0.335	0.328	0.374	0.325	0.358	0.363	0.353	6.63
51) C	Acenaphthene	1.637	1.362	1.354	1.200	1.296	1.251	1.289	1.341	10.59
52)	3-Nitroaniline	0.460	0.383	0.461	0.408	0.360	0.365	0.375	0.402	10.72
53) P	2,4-Dinitrophenol		0.057	0.146	0.158	0.182	0.169	0.180	0.149	31.63
54)	Dibenzofuran	2.414	2.004	1.959	1.796	1.795	1.855	1.884	1.958	11.02
55) P	4-Nitrophenol	0.201	0.241	0.258	0.294	0.246	0.254	0.271	0.252	11.36
56)	2,4-Dinitrotol...	0.473	0.437	0.446	0.452	0.495	0.411	0.430	0.449	6.18
57)	Fluorene	1.687	1.424	1.619	1.577	1.441	1.343	1.312	1.486	9.64
58)	2,3,4,6-Tetrac...	0.331	0.322	0.336	0.328	0.332	0.360	0.371	0.340	5.41
59)	Diethylphthalate	1.923	1.691	1.641	1.641	1.702	1.479	1.365	1.635	10.82
60)	4-Chlorophenyl...		0.757	0.738	0.664	0.610	0.712	0.674	0.693	7.80
61)	4-Nitroaniline	0.361	0.418	0.471	0.381	0.451	0.371	0.386	0.406	10.42
62)	Azobenzene	1.959	1.734	2.032	1.926	1.780	1.691	1.598	1.817	8.71
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.086	0.103	0.129	0.113	0.119	0.121	0.112	13.76
65) c	n-Nitrosodiphe...	0.854	0.682	0.743	0.730	0.631	0.732	0.722	0.728	9.30
66)	4-Bromophenyl-...	0.232	0.202	0.197	0.180	0.190	0.209	0.206	0.202	8.03
67)	Hexachlorobenzene	0.227	0.211	0.219	0.198	0.197	0.220	0.208	0.211	5.28
68)	Atrazine	0.245	0.200	0.217	0.205	0.178	0.217	0.211	0.211	9.59
69) C	Pentachlorophenol		0.041	0.069	0.083	0.093	0.103	0.104	0.082	29.15
70)	Phenanthrene	1.379	1.139	1.062	1.148	1.205	0.911	0.939	1.112	14.45
71)	Anthracene	1.276	1.115	1.228	1.110	1.035	1.115	1.117	1.142	7.13
72)	Carbazole	1.300	1.100	1.044	1.005	1.082	0.961	1.012	1.072	10.37
73)	Di-n-butylphth...	1.339	1.234	1.229	1.193	1.219	1.370	1.277	1.266	5.22
74) C	Fluoranthene	1.349	1.225	1.255	1.127	1.118	1.148	1.203	1.204	6.82
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.873	0.866	0.821	0.752	0.844	0.944	0.910	0.859	7.25
77)	Pyrene	1.721	1.388	1.432	1.436	1.495	1.419	1.480	1.481	7.54
78) S	Terphenyl-d14	0.975	0.776	0.859	0.709	0.710	1.004	0.981	0.859	15.11
79)	Butylbenzylphth...	0.580	0.560	0.584	0.587	0.648	0.796	0.755	0.644	14.66
80)	Benzo(a)anthra...	1.450	1.204	1.212	1.234	1.158	1.309	1.350	1.274	7.97
81)	3,3'-Dichlorob...	0.421	0.402	0.436	0.374	0.393	0.493	0.489	0.430	10.76
82)	Chrysene	1.333	1.106	1.202	0.898	0.955	1.225	1.273	1.142	14.29

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83)	Bis(2-ethylhex...	0.814	0.771	0.829	0.736	0.773	1.109	0.921	0.850	15.09
84) c	Di-n-octyl pht...	1.276	1.252	1.331	1.244	1.287	1.873	1.537	1.400	16.54
85)	Indeno(1,2,3-c...	0.910	0.824	0.817	0.762	0.778	0.858	0.914	0.838	7.13
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.473	1.265	1.272	1.745	1.585	1.338	1.317	1.428	12.75
88)	Benzo(k)fluora...	1.371	1.250	1.312	0.979	1.134	1.110	1.137	1.185	11.29
89) C	Benzo(a)pyrene	1.324	1.128	1.249	1.140	1.164	1.229	1.236	1.210	5.78
90)	Dibenzo(a,h)an...	0.950	0.845	0.898	0.936	0.985	0.934	0.996	0.935	5.52
91)	Benzo(g,h,i)pe...	0.911	0.825	0.858	0.873	0.954	0.879	0.947	0.892	5.30

(#) = Out of Range