

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF080818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 08 12:24:24 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF1080006.D 10 =BF1080007.D 25 =BF1080008.D 40 =BF1080009.D 50 =BF1080010.D 60 =BF1080011.D 80 =BF1080012.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.582	0.563	0.571	0.570	0.567	0.574	0.547	0.568	1.90
3)	Pyridine	1.397	1.467	1.476	1.482	1.482	1.496	1.436	1.462	2.34
4)	n-Nitrosodimet...	0.770	0.804	0.822	0.840	0.840	0.858	0.826	0.823	3.48
5) S	2-Fluorophenol	1.171	1.179	1.135	1.106	1.078	1.063	1.001	1.105	5.72
6)	Aniline	2.004	2.055	2.010	1.970	1.987	2.018	1.933	1.997	1.93
7) S	Phenol-d6	1.532	1.555	1.511	1.462	1.438	1.434	1.344	1.468	4.89
8)	2-Chlorophenol	1.277	1.306	1.283	1.257	1.233	1.217	1.136	1.244	4.53
9)	Benzaldehyde	1.178	1.191	1.177	1.150	1.123	1.102	1.047	1.138	4.52
10) C	Phenol	1.590	1.600	1.551	1.501	1.486	1.490	1.411	1.518	4.38
11)	bis(2-Chloroet...	1.280	1.294	1.248	1.235	1.194	1.205	1.137	1.228	4.41
12)	1,3-Dichlorobe...	1.545	1.510	1.480	1.435	1.399	1.393	1.308	1.439	5.59
13) C	1,4-Dichlorobe...	1.542	1.514	1.484	1.462	1.401	1.400	1.315	1.445	5.40
14)	1,2-Dichlorobe...	1.460	1.466	1.399	1.336	1.296	1.272	1.183	1.344	7.72
15)	Benzyl Alcohol	1.178	1.250	1.265	1.266	1.237	1.263	1.191	1.236	2.95
16)	2,2'-oxybis(1-...	2.629	2.666	2.610	2.561	2.480	2.451	2.307	2.529	4.95
17)	2-Methylphenol	1.043	1.089	1.082	1.093	1.062	1.074	1.026	1.067	2.33
18)	Hexachloroethane	0.527	0.524	0.514	0.526	0.508	0.511	0.493	0.515	2.34
19) P	n-Nitroso-di-n...	0.991	1.036	1.013	0.997	0.986	0.977	0.949	0.993	2.77
20)	3+4-Methylphenols	1.382	1.449	1.423	1.382	1.341	1.335	1.259	1.367	4.58
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.503	0.513	0.486	0.469	0.447	0.440	0.415	0.468	7.58
23) S	Nitrobenzene-d5	0.355	0.381	0.370	0.364	0.353	0.351	0.336	0.358	4.12
24)	Nitrobenzene	0.355	0.382	0.373	0.372	0.358	0.357	0.340	0.362	3.90
25)	Isophorone	0.688	0.724	0.694	0.683	0.664	0.674	0.655	0.683	3.28
26) C	2-Nitrophenol	0.121	0.134	0.141	0.142	0.143	0.141	0.137	0.137	6.14
27)	2,4-Dimethylph...	0.309	0.325	0.310	0.305	0.295	0.296	0.283	0.303	4.48
28)	bis(2-Chloroet...	0.423	0.430	0.414	0.400	0.384	0.380	0.361	0.399	6.26
29) C	2,4-Dichloroph...	0.258	0.299	0.289	0.287	0.279	0.277	0.263	0.279	5.16
30)	1,2,4-Trichlor...	0.329	0.333	0.316	0.307	0.299	0.291	0.278	0.308	6.49
31)	Naphthalene	1.027	1.040	0.960	0.905	0.856	0.835	0.745	0.910	11.77
32)	Benzoic acid	0.109	0.145	0.166	0.173	0.185	0.187	0.161	0.161	18.43
33)	4-Chloroaniline	0.416	0.441	0.416	0.402	0.382	0.380	0.337	0.396	8.53
34) C	Hexachlorobuta...	0.203	0.207	0.201	0.196	0.190	0.188	0.179	0.195	5.04
35)	Caprolactam	0.075	0.091	0.093	0.092	0.090	0.089	0.083	0.087	7.37
36) C	4-Chloro-3-met...	0.281	0.322	0.313	0.308	0.300	0.298	0.285	0.301	4.91
37)	2-Methylnaphth...	0.696	0.729	0.676	0.644	0.614	0.595	0.551	0.644	9.57

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.672	0.664	0.623	0.617	0.589	0.587	0.548	0.614	7.16
40) P	Hexachlorocycl...	0.347	0.384	0.403	0.424	0.409	0.411	0.399	0.397	6.26
41) S	2,4,6-Tribromo...	0.162	0.206	0.211	0.212	0.208	0.203	0.194	0.199	8.79
42) C	2,4,6-Trichlor...	0.322	0.382	0.391	0.398	0.388	0.409	0.378	0.381	7.29
43)	2,4,5-Trichlor...	0.389	0.426	0.432	0.443	0.427	0.418	0.401	0.420	4.49
44) S	2-Fluorobiphenyl	1.507	1.311	1.209	1.127	1.074		1.246		13.75
45)	1,1'-Biphenyl	1.714	1.660	1.536	1.466	1.385	1.338	1.224	1.475	11.91
46)	2-Chloronaphth...	1.307	1.280	1.196	1.161	1.110	1.086	1.018	1.165	8.95
47)	2-Nitroaniline	0.295	0.377	0.392	0.401	0.393	0.398	0.384	0.377	9.80
48)	Acenaphthylene	2.126	2.081	1.942	1.833	1.705	1.685	1.524	1.843	11.98
49)	Dimethylphthalate	1.525	1.537	1.432	1.382	1.334	1.312	1.230	1.393	8.11
50)	2,6-Dinitrotol...	0.243	0.310	0.306	0.305	0.300	0.299	0.279	0.291	8.12
51) C	Acenaphthene	1.232	1.222	1.169	1.125	1.078	1.066	1.007	1.129	7.45
52)	3-Nitroaniline	0.278	0.334	0.336	0.332	0.323	0.321	0.309	0.319	6.33
53) P	2,4-Dinitrophenol		0.056	0.080	0.094	0.102	0.107	0.110	0.092	22.17
54)	Dibenzofuran	1.885	1.864	1.719	1.621	1.527	1.489	1.340	1.635	12.27
55) P	4-Nitrophenol		0.227	0.240	0.248	0.244	0.250	0.239	0.241	3.38
56)	2,4-Dinitrotol...	0.279	0.377	0.401	0.403	0.392	0.398	0.376	0.375	11.62
57)	Fluorene	1.508	1.474	1.320	1.275	1.213	1.187	1.084	1.294	11.87
58)	2,3,4,6-Tetrac...	0.286	0.346	0.373	0.373	0.364	0.365	0.347	0.351	8.71
59)	Diethylphthalate	1.443	1.507	1.409	1.352	1.296	1.276	1.160	1.349	8.62
60)	4-Chlorophenyl...	0.744	0.757	0.703	0.677	0.642	0.622	0.576	0.674	9.78
61)	4-Nitroaniline	0.265	0.332	0.327	0.330	0.326	0.323	0.304	0.315	7.64
62)	Azobenzene	1.506	1.554	1.464	1.401	1.340	1.294	1.193	1.393	9.10
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.047	0.062	0.072	0.075	0.079	0.078	0.069	18.21
65) c	n-Nitrosodiphe...	0.644	0.646	0.604	0.591	0.568	0.559	0.525	0.591	7.53
66)	4-Bromophenyl-...	0.228	0.232	0.225	0.217	0.212	0.209	0.197	0.217	5.60
67)	Hexachlorobenzene	0.240	0.247	0.232	0.229	0.223	0.221	0.210	0.229	5.39
68)	Atrazine	0.191	0.216	0.204	0.201	0.198	0.193	0.183	0.198	5.29
69) C	Pentachlorophenol		0.090	0.106	0.113	0.117	0.116	0.114	0.109	9.50
70)	Phenanthrene	1.131	1.100	0.973	0.919	0.880	0.841	0.760	0.943	14.30
71)	Anthracene	1.142	1.126	1.017	0.954	0.896	0.864	0.769	0.967	14.24
72)	Carbazole	0.973	0.994	0.891	0.851	0.813	0.776	0.716	0.859	11.80
73)	Di-n-butylphth...	1.048	1.140	1.040	0.978	0.937	0.870	0.797	0.973	11.96
74) C	Fluoranthene	1.203	1.197	1.090	1.011	0.964	0.921	0.821	1.030	13.81
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.642	0.759	0.797	0.790	0.787	0.751	0.704	0.747	7.52
77)	Pvrene	1.337	1.360	1.301	1.254	1.235	1.222	1.154	1.266	5.65
78) S	Terphenyl-d14	0.924	0.889	0.810	0.767	0.731	0.716	0.669	0.787	11.85
79)	Butylbenzylpht...	0.379	0.496	0.523	0.537	0.531	0.530	0.524	0.503	11.16
80)	Benzo(a)anthra...	1.217	1.248	1.184	1.149	1.103	1.107	1.026	1.148	6.61
81)	3,3'-Dichlorob...	0.361	0.441	0.446	0.437	0.415	0.408	0.371	0.411	8.24
82)	Chrysene	1.182	1.160	1.078	1.048	1.002	0.994	0.903	1.052	9.28

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83)	Bis(2-ethylhex...	0.588	0.723	0.723	0.711	0.690	0.683	0.649	0.681	7.15
84) c	Di-n-octyl pht...	0.878	1.061	1.126	1.108	1.071	1.028	0.996	1.038	8.05
85)	Indeno(1,2,3-c...	0.929	0.927	0.913	0.896	0.890	0.907	0.921	0.912	1.64
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.167	1.216	1.218	1.255	1.176	1.201	1.133	1.195	3.37
88)	Benzo(k)fluora...	1.134	1.231	1.165	1.073	1.089	1.036	0.962	1.099	8.02
89) C	Benzo(a)pyrene	1.040	1.124	1.098	1.090	1.066	1.055	1.018	1.070	3.40
90)	Dibenzo(a,h)an...	0.851	0.855	0.892	0.891	0.896	0.908	0.906	0.885	2.62
91)	Benzo(g,h,i)pe...	0.835	0.829	0.858	0.863	0.884	0.910	0.924	0.872	4.13

(#) = Out of Range