

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF072018.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 20 16:29:27 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF107519.D 10 =BF107520.D 25 =BF107521.D 40 =BF107522.D 50 =BF107523.D 60 =BF107524.D 80 =BF107525.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.611	0.611	0.565	0.581	0.566	0.569	0.549	0.579	4.14
3)	Pyridine	1.550	1.644	1.549	1.596	1.574	1.569	1.544	1.575	2.24
4)	n-Nitrosodimet...	0.733	0.668	0.659	0.654	0.666	0.637	0.633	0.664	4.98
5) S	2-Fluorophenol	1.351	1.331	1.260	1.262	1.230	1.164	1.109	1.244	6.94
6)	Aniline	1.943	2.259	1.975	1.925	1.876	1.801	1.705	1.926	9.00
7) S	Phenol-d6	1.612	1.810	1.526	1.462	1.416	1.358	1.272	1.494	11.89
8)	2-Chlorophenol	1.401	1.572	1.366	1.331	1.290	1.229	1.140	1.333	10.29
9)	Benzaldehyde	1.315	1.314	1.013	0.899	0.840	0.776	0.681	0.977	25.83
10) C	Phenol	2.052	2.045	1.741	1.721	1.656	1.592	1.490	1.757	12.32
11)	bis(2-Chloroet...	1.660	1.557	1.366	1.480	1.450	1.342	1.339	1.456	8.28
12)	1,3-Dichlorobe...	1.631	1.788	1.512	1.481	1.449	1.395	1.321	1.511	10.31
13) C	1,4-Dichlorobe...	1.703	1.812	1.580	1.523	1.477	1.425	1.321	1.549	10.77
14)	1,2-Dichlorobe...	1.577	1.721	1.430	1.349	1.293	1.233	1.125	1.390	14.75
15)	Benzyl Alcohol		1.204	1.073	1.039	1.003	0.935	0.855	1.018	11.78
16)	2,2'-oxybis(1-...	2.811	3.052	2.546	2.403	2.300	2.160	1.927	2.457	15.61
17)	2-Methylphenol	1.221	1.325	1.152	1.125	1.073	1.057	0.976	1.133	10.12
18)	Hexachloroethane	0.521	0.617	0.554	0.553	0.536	0.522	0.500	0.543	6.93
19) P	n-Nitroso-di-n...	1.075	1.195	0.975	0.919	0.901	0.862	0.829	0.965	13.42
20)	3+4-Methylphenols	1.497	1.725	1.419	1.324	1.249	1.156	1.046	1.345	16.85
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.562	0.601	0.484	0.444	0.422	0.400	0.376	0.470	17.93
23) S	Nitrobenzene-d5		0.285	0.296	0.307	0.306	0.296	0.288	0.296	3.06
24)	Nitrobenzene		0.351	0.347	0.356	0.339	0.328	0.315	0.339	4.52
25)	Isophorone	0.665	0.751	0.622	0.621	0.604	0.587	0.579	0.633	9.34
26) C	2-Nitrophenol		0.092	0.128	0.153	0.159	0.163	0.166	0.143	19.87
27)	2,4-Dimethylph...	0.284	0.305	0.266	0.268	0.262	0.255	0.259	0.271	6.41
28)	bis(2-Chloroet...	0.457	0.514	0.433	0.415	0.399	0.380	0.363	0.423	12.06
29) C	2,4-Dichloroph...	0.246	0.326	0.291	0.286	0.276	0.265	0.252	0.277	9.81
30)	1,2,4-Trichlor...	0.345	0.371	0.318	0.306	0.292	0.280	0.269	0.311	11.63
31)	Naphthalene	1.051	1.118	0.931	0.841	0.797	0.740	0.677	0.879	18.42
32)	Benzoic acid		0.086	0.136	0.182	0.189	0.198	0.205	0.166	27.74
33)	4-Chloroaniline	0.435	0.500	0.432	0.357	0.346	0.323	0.298	0.384	18.91
34) C	Hexachlorobuta...	0.192	0.220	0.192	0.181	0.178	0.170	0.162	0.185	10.17
35)	Caprolactam		0.099	0.090	0.093	0.091	0.085	0.083	0.090	6.16
36) C	4-Chloro-3-met...	0.295	0.365	0.319	0.310	0.303	0.287	0.277	0.308	9.38
37)	2-Methylnaphth...	0.721	0.769	0.631	0.581	0.561	0.520	0.484	0.609	17.11

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.736	0.809	0.679	0.652	0.626	0.601	0.566	0.667	12.47
40) P	Hexachlorocycl...		0.292	0.320	0.356	0.358	0.360	0.350	0.339	8.12
41) S	2,4,6-Tribromo...	0.185	0.273	0.240	0.237	0.230	0.221	0.206	0.227	12.24
42) C	2,4,6-Trichlor...	0.354	0.498	0.448	0.447	0.430	0.415	0.397	0.427	10.59
43)	2,4,5-Trichlor...	0.391	0.516	0.457	0.467	0.454	0.428	0.411	0.446	9.22
44) S	2-Fluorobiphenyl	1.820	1.792	1.350	1.189	1.109	1.019	0.927	1.315	27.42
45)	1,1'-Biphenyl	2.127	2.259	1.797	1.663	1.551	1.479	1.320	1.742	19.72
46)	2-Chloronaphth...	1.552	1.668	1.351	1.288	1.218	1.163	1.082	1.332	15.86
47)	2-Nitroaniline		0.290	0.365	0.414	0.425	0.420	0.415	0.388	13.66
48)	Acenaphthylene	2.419	2.612	2.078	1.917	1.790	1.670	1.517	2.000	19.89
49)	Dimethylphthalate	1.700	1.844	1.502	1.452	1.408	1.354	1.291	1.507	13.11
50)	2,6-Dinitrotol...		0.272	0.291	0.309	0.314	0.307	0.303	0.299	5.09
51) C	Acenaphthene	1.497	1.571	1.285	1.236	1.130	1.061	0.993	1.253	17.30
52)	3-Nitroaniline		0.325	0.352	0.375	0.384	0.380	0.369	0.364	6.12
53) P	2,4-Dinitrophenol		0.039	0.061	0.098	0.115	0.126	0.140	0.096	40.48
54)	Dibenzofuran		2.408	1.913	1.752	1.617	1.537		1.845	18.71
55) P	4-Nitrophenol		0.221	0.257	0.289	0.294	0.289	0.284	0.273	10.45
56)	2,4-Dinitrotol...		0.306	0.354	0.385	0.390	0.377	0.356	0.361	8.53
57)	Fluorene		1.782	1.399	1.299	1.234	1.146	1.040	1.316	19.71
58)	2,3,4,6-Tetrac...	0.332	0.419	0.382	0.386	0.374	0.363	0.344	0.371	7.75
59)	Diethylphthalate	1.887	1.984	1.608	1.510	1.428	1.361	1.241	1.574	17.37
60)	4-Chlorophenyl...	0.925	0.948	0.754	0.708	0.671	0.630	0.574	0.744	19.25
61)	4-Nitroaniline		0.321	0.321	0.324	0.315	0.307	0.246	0.306	9.76
62)	Azobenzene		1.998	1.569	1.463	1.381	1.283	1.162	1.476	19.77
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.042	0.067	0.088	0.098	0.103	0.106	0.084	29.79
65) c	n-Nitrosodiphe...	0.815	0.850	0.696	0.650	0.617	0.590	0.536	0.679	17.13
66)	4-Bromophenyl-...	0.262	0.281	0.243	0.228	0.220	0.215	0.199	0.235	12.18
67)	Hexachlorobenzene	0.286	0.313	0.261	0.250	0.245	0.236	0.222	0.259	12.02
68)	Atrazine	0.215	0.249	0.212	0.205	0.201	0.190	0.179	0.207	10.67
69) C	Pentachlorophenol		0.157	0.161	0.166	0.164	0.165	0.157	0.162	2.41
70)	Phenanthrene		1.280	1.014	0.913	0.854	0.813		0.975	19.16
71)	Anthracene		1.292	1.024	0.912	0.865	0.814		0.981	19.36
72)	Carbazole		1.337	1.065	0.950	0.906	0.845		1.020	19.04
73)	Di-n-butylphth...	1.416	1.572	1.251	1.073	1.002	0.942	0.830	1.155	23.24
74) C	Fluoranthene		1.374	1.093	0.979	0.924	0.859		1.046	19.39
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.597	0.765	0.596	0.553	0.532	0.489	0.498	0.576	16.27
77)	Pvrene	1.591	1.713	1.369	1.292	1.257	1.200	1.155	1.368	15.23
78) S	Terphenyl-d14		1.068	0.833	0.738	0.715	0.678	0.655	0.781	19.65
79)	Butylbenzylphth...	0.374	0.656	0.618	0.624	0.625	0.612	0.609	0.588	16.29
80)	Benzo(a)anthra...	1.321	1.410	1.186	1.144	1.086	1.051	1.007	1.172	12.49
81)	3,3'-Dichlorob...	0.390	0.518	0.415	0.353	0.337	0.307	0.279	0.371	21.42
82)	Chrysene	1.316	1.414	1.142	1.064	1.034	0.986	0.926	1.126	15.85

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83)	Bis(2-ethylhex...	0.829	1.037	0.867	0.812	0.785	0.756	0.726	0.830	12.33
84) c	Di-n-octyl pht...	1.111	1.627	1.404	1.333	1.271	1.168	1.118	1.290	14.31
85)	Indeno(1,2,3-c...	1.106	1.153	0.886	0.863	0.875	0.867	0.930	0.954	12.82
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.115	1.258	1.066	1.097	1.047	1.069	1.009	1.095	7.29
88)	Benzo(k)fluora...	1.155	1.232	1.141	1.042	1.071	0.964	0.900	1.072	10.73
89) C	Benzo(a)pyrene	1.030	1.139	1.006	0.988	0.982	0.955	0.908	1.001	7.21
90)	Dibenzo(a,h)an...	0.918	0.965	0.802	0.819	0.845	0.853	0.856	0.866	6.57
91)	Benzo(g,h,i)pe...	0.880	0.930	0.765	0.812	0.844	0.859	0.886	0.854	6.30

(#) = Out of Range