

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
 Method File : 8270-BN111218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Nov 12 15:59:25 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BN003500.D 10 =BN003501.D 25 =BN003502.D 40 =BN003503.D 50 =BN003504.D 60 =BN003505.D 80 =BN003506.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.446	0.431	0.425	0.424	0.425	0.427	0.422	0.429	1.92
3)	Pyridine	1.240	1.271	1.281	1.292	1.293	1.298	1.295	1.281	1.60
4)	n-Nitrosodimet...	0.354	0.387	0.394	0.403	0.405	0.403	0.391		4.92
5) S	2-Fluorophenol	1.041	1.086	1.121	1.129	1.124	1.140	1.124	1.109	3.11
6)	Aniline	1.739	1.873	1.940	1.938	1.950	1.951	1.913	1.901	4.02
7) S	Phenol-d6	1.441	1.546	1.568	1.562	1.557	1.562	1.530	1.538	2.90
8)	2-Chlorophenol	1.303	1.404	1.417	1.422	1.424	1.433	1.422	1.404	3.21
9)	Benzaldehyde	0.990	1.071	1.081	1.076	1.066	1.060	1.024	1.053	3.15
10) C	Phenol	1.565	1.665	1.675	1.682	1.683	1.683	1.662	1.659	2.56
11)	bis(2-Chloroet...	1.237	1.320	1.340	1.328	1.329	1.339	1.316	1.316	2.72
12)	1,3-Dichlorobe...	1.554	1.584	1.587	1.591	1.587	1.597	1.585	1.584	0.86
13) C	1,4-Dichlorobe...	1.574	1.624	1.634	1.628	1.621	1.628	1.620	1.618	1.25
14)	1,2-Dichlorobe...	1.535	1.582	1.581	1.562	1.565	1.577	1.555	1.565	1.06
15)	Benzyl Alcohol	1.061	1.139	1.159	1.172	1.178	1.167	1.146		3.82
16)	2,2'-oxybis(1-...	1.720	1.724	1.687	1.666	1.681	1.645	1.687		1.81
17)	2-Methylphenol	1.021	1.153	1.179	1.165	1.166	1.175	1.156	1.145	4.86
18)	Hexachloroethane	0.461	0.505	0.531	0.540	0.545	0.552	0.553	0.527	6.31
19) P	n-Nitroso-di-n...	1.015	1.055	1.038	1.036	1.047	1.021	1.035		1.45
20)	3+4-Methylphenols	1.420	1.601	1.632	1.632	1.626	1.640	1.611	1.594	4.91
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.421	0.457	0.467	0.464	0.463	0.463	0.456	0.456	3.54
23) S	Nitrobenzene-d5	0.279	0.311	0.326	0.327	0.328	0.328	0.325	0.318	5.75
24)	Nitrobenzene	0.294	0.323	0.330	0.335	0.334	0.335	0.331	0.326	4.51
25)	Isophorone	0.505	0.553	0.558	0.560	0.563	0.563	0.550		4.05
26) C	2-Nitrophenol	0.156	0.182	0.190	0.193	0.195	0.196	0.185		8.14
27)	2,4-Dimethylph...	0.236	0.262	0.271	0.272	0.272	0.273	0.269	0.265	5.07
28)	bis(2-Chloroet...	0.354	0.383	0.392	0.390	0.389	0.390	0.383	0.383	3.42
29) C	2,4-Dichloroph...	0.267	0.305	0.319	0.323	0.324	0.324	0.321	0.312	6.73
30)	1,2,4-Trichlor...	0.345	0.351	0.359	0.358	0.359	0.359	0.357	0.355	1.51
31)	Naphthalene	0.961	0.985	0.987	0.976	0.977	0.973	0.957	0.974	1.15
32)	Benzoic acid	0.164	0.205	0.231	0.246	0.250	0.257	0.226		15.67
33)	4-Chloroaniline	0.395	0.431	0.444	0.444	0.447	0.445	0.436	0.434	4.25
34) C	Hexachlorobuta...	0.193	0.207	0.216	0.216	0.218	0.219	0.219	0.213	4.51
35)	Caprolactam	0.095	0.107	0.112	0.115	0.116	0.116	0.115	0.110	7.36
36) C	4-Chloro-3-met...	0.315	0.330	0.333	0.337	0.337	0.337	0.330	0.330	2.40
37)	2-Methylnaphth...	0.685	0.703	0.710	0.702	0.694	0.693	0.679	0.695	1.55

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38)	1-Methylnaphth...	0.665	0.680	0.683	0.679	0.671	0.675	0.660	0.673	1.25
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.690	0.708	0.725	0.727	0.731	0.731	0.722	0.719	2.10
41) P	Hexachlorocycl...		0.242	0.322	0.351	0.363	0.379	0.389	0.341	15.78
42) S	2,4,6-Tribromo...	0.221	0.277	0.299	0.317	0.322	0.326	0.326	0.298	12.94
43) C	2,4,6-Trichlor...	0.353	0.423	0.456	0.472	0.471	0.473	0.476	0.446	10.14
44)	2,4,5-Trichlor...	0.383	0.455	0.486	0.497	0.505	0.507	0.501	0.476	9.40
45) S	2-Fluorobiphenyl	1.512	1.547	1.529	1.510	1.480	1.479	1.432	1.498	2.54
46)	1,1'-Biphenyl	1.773	1.795	1.800	1.790	1.770	1.754	1.718	1.771	1.60
47)	2-Chloronaphth...	1.300	1.338	1.349	1.348	1.335	1.343	1.316	1.333	1.35
48)	2-Nitroaniline		0.291	0.327	0.339	0.344	0.348	0.343	0.332	6.42
49)	Acenaphthylene	1.804	1.986	2.014	2.014	1.995	2.006	1.946	1.966	3.83
50)	Dimethylphthalate	1.434	1.554	1.596	1.603	1.591	1.608	1.583	1.567	3.90
51)	2,6-Dinitrotol...		0.339	0.361	0.369	0.372	0.379	0.375	0.366	3.96
52) C	Acenaphthene	1.175	1.210	1.203	1.206	1.193	1.198	1.164	1.192	1.42
53)	3-Nitroaniline		0.353	0.384	0.399	0.404	0.408	0.398	0.391	5.15
54) P	2,4-Dinitrophenol		0.090	0.142	0.171	0.185	0.198	0.203	0.165	25.91
55)	Dibenzofuran	1.943	2.004	1.989	1.982	1.950	1.964	1.917	1.964	1.52
56) P	4-Nitrophenol		0.239	0.283	0.307	0.319	0.326	0.318	0.299	10.96
57)	2,4-Dinitrotol...		0.441	0.483	0.505	0.510	0.517	0.509	0.494	5.75
58)	Fluorene	1.397	1.471	1.476	1.469	1.460	1.467	1.421	1.451	2.09
59)	2,3,4,6-Tetrac...	0.332	0.409	0.436	0.453	0.458	0.464	0.456	0.430	10.95
60)	Diethylphthalate		1.785	1.666	1.641	1.625	1.632	1.598	1.658	3.98
61)	4-Chlorophenyl...	0.828	0.855	0.868	0.861	0.862	0.864	0.843	0.854	1.64
62)	4-Nitroaniline		0.338	0.381	0.404	0.412	0.418	0.402	0.392	7.44
63)	Azobenzene		1.342	1.367	1.374	1.352	1.363	1.321	1.353	1.43
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.090	0.120	0.131	0.138	0.141	0.144	0.127	16.07
66) c	n-Nitrosodiphe...	0.601	0.644	0.659	0.640	0.634	0.631	0.624	0.633	2.83
67)	4-Bromophenyl-...	0.235	0.245	0.260	0.256	0.256	0.255	0.259	0.252	3.57
68)	Hexachlorobenzene	0.284	0.290	0.297	0.293	0.297	0.296	0.298	0.294	1.76
69)	Atrazine		0.222	0.241	0.240	0.241	0.240	0.238	0.237	3.09
70) C	Pentachlorophenol		0.156	0.188	0.201	0.208	0.210	0.212	0.196	10.87
71)	Phenanthrene	1.047	1.062	1.062	1.048	1.037	1.041	1.017	1.045	1.50
72)	Anthracene	0.936	1.020	1.054	1.043	1.037	1.043	1.017	1.021	3.89
73)	Carbazole	0.876	1.005	1.022	1.035	1.038	1.038	1.001	1.002	5.74
74)	Di-n-butylphth...		1.075	1.193	1.206	1.207	1.216	1.199	1.183	4.50
75) C	Fluoranthene		1.076	1.098	1.142	1.159	1.167	1.115	1.126	3.19
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.546	0.690	0.740	0.716	0.731	0.727	0.692	10.59
78)	Pyrene	1.248	1.375	1.405	1.397	1.342	1.341	1.343	1.350	3.89
79) S	Terphenyl-d14	0.970	1.061	1.063	1.045	0.994	0.993	0.986	1.016	3.85
80)	Butylbenzylphth...		0.486	0.576	0.594	0.596	0.601	0.619	0.579	8.16
81)	Benzo(a)anthra...	1.072	1.142	1.169	1.150	1.154	1.144	1.133	1.138	2.71
82)	3,3'-Dichlorob...		0.427	0.473	0.487	0.491	0.487	0.480	0.474	5.01

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83)	Chrysene	1.060	1.100	1.102	1.107	1.091	1.085	1.071	1.088	1.59
84)	Bis(2-ethylhex...	0.721	0.828	0.870	0.860	0.873	0.882	0.839		7.22
85) c	Di-n-octyl pht...	1.010	1.180	1.298	1.320	1.340	1.329	1.246		10.39
86)	Indeno(1,2,3-c...	1.073	1.121	1.208	1.174	1.158	1.127	1.179	1.149	3.93
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	0.994	1.090	1.148	1.138	1.125	1.169	1.131	1.114	5.18
89)	Benzo(k)fluora...	1.015	1.074	1.117	1.130	1.155	1.154	1.112	1.108	4.47
90) C	Benzo(a)pyrene	0.910	0.992	1.052	1.057	1.069	1.079	1.063	1.032	5.86
91)	Dibenzo(a,h)an...	0.919	1.011	1.094	1.081	1.077	1.090	1.082	1.051	6.13
92)	Benzo(g,h,i)pe...	0.921	0.975	1.058	1.049	1.042	1.050	1.057	1.022	5.19

(#) = Out of Range