

Method Path : Z:\HPCHEM1\BNA_N\METHODS\
 Method File : 8270-BN040918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 09 13:41:40 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BN000705.D 10 =BN000706.D 25 =BN000707.D 40 =BN000708.D 50 =BN000709.D 60 =BN000710.D 80 =BN000711.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.662	0.647	0.619	0.605	0.634	0.591	0.592	0.621	4.42
3)	Pyridine	1.486	1.677	1.701	1.770	1.780	1.670	1.657	1.677	5.80
4)	n-Nitrosodimet...	0.384	0.430	0.456	0.473	0.479	0.473	0.485	0.454	7.94
5) S	2-Fluorophenol	1.276	1.336	1.361	1.384	1.412	1.361	1.352	1.355	3.13
6)	Aniline	2.296	2.400	2.451	2.582	2.488	2.535	2.476	2.461	3.79
7) S	Phenol-d6	1.690	1.808	1.849	1.932	1.878	1.893	1.857	1.844	4.24
8)	2-Chlorophenol	1.321	1.384	1.392	1.447	1.424	1.421	1.404	1.399	2.89
9)	Benzaldehyde	1.083	1.067	0.997	0.908	0.808	0.748	0.935		14.73
10) C	Phenol	1.868	1.933	1.942	2.045	1.974	2.001	1.963	1.961	2.84
11)	bis(2-Chloroet...	1.616	1.593	1.591	1.661	1.603	1.611	1.601	1.611	1.49
12)	1,3-Dichlorobe...	1.657	1.644	1.602	1.629	1.636	1.592	1.589	1.621	1.66
13) C	1,4-Dichlorobe...	1.699	1.652	1.624	1.646	1.659	1.610	1.608	1.643	1.95
14)	1,2-Dichlorobe...	1.656	1.591	1.559	1.591	1.572	1.545	1.527	1.577	2.64
15)	Benzyl Alcohol	1.001	1.084	1.234	1.390	1.305	1.405	1.372	1.256	12.64
16)	2,2'-oxybis(1-...	1.815	1.733	1.722	1.802	1.706	1.746	1.708	1.748	2.52
17)	2-Methylphenol	1.157	1.247	1.297	1.406	1.324	1.376	1.345	1.307	6.44
18)	Hexachloroethane	0.566	0.575	0.598	0.629	0.625	0.622	0.623	0.605	4.30
19) P	n-Nitroso-di-n...	0.995	1.048	1.147	1.281	1.160	1.245	1.192	1.153	8.84
20)	3+4-Methylphenols	1.544	1.687	1.779	1.952	1.810	1.924	1.864	1.794	7.91
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.531	0.577	0.584	0.596	0.593	0.580	0.571	0.576	3.73
23) S	Nitrobenzene-d5	0.289	0.348	0.386	0.406	0.412	0.402	0.403	0.378	11.83
24)	Nitrobenzene	0.331	0.397	0.419	0.435	0.438	0.427	0.427	0.410	9.16
25)	Isophorone	0.566	0.626	0.694	0.769	0.726	0.761	0.742	0.698	10.83
26) C	2-Nitrophenol		0.121	0.153	0.172	0.173	0.176	0.179	0.162	13.69
27)	2,4-Dimethylph...	0.235	0.268	0.280	0.292	0.288	0.289	0.285	0.277	7.19
28)	bis(2-Chloroet...	0.433	0.450	0.456	0.478	0.465	0.470	0.461	0.459	3.16
29) C	2,4-Dichloroph...	0.217	0.251	0.271	0.290	0.283	0.286	0.283	0.269	9.81
30)	1,2,4-Trichlor...	0.322	0.327	0.321	0.327	0.329	0.319	0.321	0.324	1.26
31)	Naphthalene	1.106	1.100	1.073	1.093	1.089	1.060	1.044	1.081	2.07
32)	Benzoic acid		0.126	0.193	0.256	0.239	0.274	0.274	0.227	25.59
33)	4-Chloroaniline	0.392	0.425	0.438	0.468	0.448	0.461	0.443	0.439	5.75
34) C	Hexachlorobuta...	0.175	0.172	0.172	0.175	0.178	0.172	0.174	0.174	1.30
35)	Caprolactam		0.061	0.078	0.101	0.089	0.103	0.093	0.088	18.00
36) C	4-Chloro-3-met...	0.257	0.292	0.316	0.357	0.329	0.352	0.335	0.320	11.04
37)	2-Methylnaphth...	0.719	0.706	0.696	0.731	0.701	0.713	0.684	0.707	2.18

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.598	0.625	0.621	0.604	0.638	0.595	0.624	0.615	2.63
40) P	Hexachlorocycl...	0.258	0.300	0.346	0.358	0.381	0.364	0.393	0.343	13.89
41) S	2,4,6-Tribromo...	0.159	0.181	0.187	0.220	0.208	0.217	0.205	0.197	11.24
42) C	2,4,6-Trichlor...	0.268	0.340	0.377	0.386	0.397	0.386	0.392	0.364	12.66
43)	2,4,5-Trichlor...	0.334	0.414	0.428	0.443	0.452	0.441	0.446	0.423	9.68
44) S	2-Fluorobiphenyl	1.480	1.517	1.486	1.436	1.487	1.369	1.383	1.451	3.92
45)	1,1'-Biphenyl	1.809	1.830	1.811	1.790	1.832	1.735	1.762	1.795	2.00
46)	2-Chloronaphth...	1.318	1.378	1.365	1.346	1.391	1.312	1.335	1.349	2.22
47)	2-Nitroaniline		0.264	0.349	0.421	0.411	0.427	0.424	0.383	17.00
48)	Acenaphthylene	1.921	2.119	2.146	2.210	2.205	2.143	2.139	2.126	4.57
49)	Dimethylphthalate	1.486	1.587	1.566	1.687	1.617	1.627	1.574	1.592	3.89
50)	2,6-Dinitrotol...		0.273	0.312	0.354	0.342	0.354	0.343	0.330	9.61
51) C	Acenaphthene	1.373	1.335	1.302	1.320	1.318	1.277	1.271	1.314	2.66
52)	3-Nitroaniline		0.309	0.352	0.414	0.395	0.408	0.387	0.378	10.59
53) P	2,4-Dinitrophenol		0.093	0.125	0.167	0.158	0.176	0.169	0.148	21.86
54)	Dibenzofuran	1.972	1.946	1.854	1.897	1.901	1.846	1.804	1.889	3.10
55) P	4-Nitrophenol		0.233	0.260	0.320	0.301	0.315	0.295	0.287	11.81
56)	2,4-Dinitrotol...		0.337	0.390	0.477	0.448	0.471	0.444	0.428	12.60
57)	Fluorene	1.538	1.550	1.481	1.534	1.500	1.446	1.391	1.492	3.84
58)	2,3,4,6-Tetrac...	0.276	0.316	0.320	0.354	0.344	0.350	0.332	0.327	8.16
59)	Diethylphthalate	1.434	1.506	1.505	1.708	1.611	1.645	1.544	1.565	6.05
60)	4-Chlorophenyl...	0.758	0.726	0.677	0.706	0.692	0.672	0.649	0.697	5.24
61)	4-Nitroaniline		0.294	0.336	0.413	0.388	0.403	0.373	0.368	12.24
62)	Azobenzene	1.533	1.709	1.716	1.862	1.797	1.778	1.693	1.727	6.03
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.082	0.108	0.128	0.127	0.135	0.135	0.119	17.27
65) c	n-Nitrosodiphe...	0.597	0.660	0.690	0.676	0.693	0.669	0.687	0.667	4.97
66)	4-Bromophenyl-...	0.185	0.195	0.198	0.203	0.206	0.203	0.210	0.200	4.08
67)	Hexachlorobenzene	0.226	0.226	0.228	0.231	0.235	0.232	0.238	0.231	1.87
68)	Atrazine	0.147	0.176	0.193	0.211	0.199	0.194	0.174	0.185	11.53
69) C	Pentachlorophenol		0.122	0.141	0.161	0.157	0.160	0.158	0.150	10.28
70)	Phenanthrene	1.193	1.192	1.165	1.164	1.168	1.128	1.128	1.162	2.27
71)	Anthracene	1.075	1.133	1.147	1.164	1.164	1.127	1.127	1.134	2.69
72)	Carbazole	1.002	1.082	1.070	1.125	1.122	1.068	1.049	1.074	3.95
73)	Di-n-butylphth...		0.995	1.182	1.379	1.318	1.332	1.289	1.249	11.28
74) C	Fluoranthene	1.133	1.167	1.151	1.218	1.215	1.135	1.125	1.164	3.33
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.498	0.529	0.626	0.563	0.541	0.522	0.547	8.14
77)	Pyrene	1.336	1.369	1.406	1.526	1.399	1.538	1.433	1.429	5.34
78) S	Terphenyl-d14	0.898	0.905	0.900	0.957	0.890	0.960	0.899	0.916	3.24
79)	Butylbenzylphth...		0.370	0.508	0.666	0.613	0.676	0.654	0.581	20.72
80)	Benzo(a)anthra...	1.194	1.280	1.249	1.291	1.277	1.263	1.256	1.258	2.55
81)	3,3'-Dichlorob...		0.315	0.372	0.419	0.409	0.392	0.393	0.383	9.67
82)	Chrysene	1.263	1.258	1.205	1.233	1.236	1.192	1.206	1.228	2.22

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83)	Bis(2-ethylhex...	0.650	0.837	1.016	0.951	0.986	0.969	0.901	15.28
84) c	Di-n-octyl pht...	0.825	1.128	1.372	1.403	1.385	1.470	1.264	19.34
85)	Indeno(1,2,3-c...	1.058	1.051	0.847	1.164	0.985	1.156	1.044	11.29
86) I	Perylene-d12	-----ISTD-----							
87)	Benzo(b)fluora...	1.122	1.180	1.183	1.293	1.252	1.242	1.224	4.66
88)	Benzo(k)fluora...	1.158	1.198	1.235	1.284	1.224	1.243	1.198	3.27
89) C	Benzo(a)pyrene	0.943	1.051	1.109	1.165	1.166	1.168	1.160	7.68
90)	Dibenzo(a,h)an...	0.888	1.098	1.123	1.053	1.189	1.135	1.165	9.22
91)	Benzo(g,h,i)pe...	0.846	1.068	1.095	1.005	1.161	1.105	1.147	10.17

(#) = Out of Range