

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF102318.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Oct 23 15:06:18 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF110071.D 10 =BF110072.D 25 =BF110073.D 40 =BF110074.D 50 =BF110075.D 60 =BF110076.D 80 =BF110077.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.686	0.662	0.648	0.633	0.623	0.633	0.619	0.643	3.70
3)	Pyridine	1.324	1.416	1.439	1.486	1.441	1.475	1.451	1.433	3.73
4)	n-Nitrosodimet...	0.573	0.596	0.604	0.613	0.596	0.613	0.608	0.600	2.35
5) S	2-Fluorophenol	1.291	1.346	1.267	1.226	1.170	1.172	1.125	1.228	6.35
6)	Aniline	2.116	2.123	2.108	2.055	1.982	2.003	1.938	2.046	3.60
7) S	Phenol-d6	1.760	1.685	1.604	1.555	1.484	1.483	1.426	1.571	7.64
8)	2-Chlorophenol	1.496	1.511	1.477	1.425	1.346	1.362	1.296	1.416	5.87
9)	Benzaldehyde	1.249	1.190	1.030	0.939	0.832	0.769	0.667	0.954	22.64
10) C	Phenol	1.769	1.798	1.711	1.671	1.600	1.639	1.566	1.679	5.11
11)	bis(2-Chloroet...	1.508	1.451	1.403	1.363	1.321	1.336	1.288	1.381	5.63
12)	1,3-Dichlorobe...	1.688	1.681	1.601	1.543	1.490	1.484	1.423	1.558	6.55
13) C	1,4-Dichlorobe...	1.750	1.713	1.607	1.557	1.494	1.487	1.424	1.576	7.69
14)	1,2-Dichlorobe...	1.596	1.641	1.520	1.455	1.378	1.366	1.286	1.463	8.86
15)	Benzyl Alcohol	1.216	1.275	1.256	1.231	1.182	1.179	1.118	1.208	4.41
16)	2,2'-oxybis(1-...	2.367	2.376	2.281	2.205	2.105	2.118	2.010	2.209	6.31
17)	2-Methylphenol	1.168	1.209	1.144	1.128	1.090	1.093	1.066	1.128	4.43
18)	Hexachloroethane	0.621	0.610	0.583	0.570	0.562	0.558	0.535	0.577	5.23
19) P	n-Nitroso-di-n...	1.113	1.079	1.032	0.996	0.959	0.949	0.927	1.008	6.92
20)	3+4-Methylphenols	1.607	1.621	1.531	1.456	1.374	1.360	1.262	1.459	9.25
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.512	0.506	0.481	0.454	0.435	0.423	0.415	0.461	8.55
23) S	Nitrobenzene-d5	0.346	0.349	0.348	0.342	0.328	0.326	0.321	0.337	3.43
24)	Nitrobenzene	0.359	0.365	0.360	0.352	0.339	0.335	0.326	0.348	4.21
25)	Isophorone	0.599	0.590	0.583	0.576	0.558	0.556	0.561	0.575	2.93
26) C	2-Nitrophenol	0.142	0.161	0.170	0.174	0.171	0.171	0.172	0.166	6.91
27)	2,4-Dimethylph...	0.288	0.288	0.278	0.275	0.268	0.264	0.261	0.275	4.00
28)	bis(2-Chloroet...	0.429	0.409	0.399	0.385	0.376	0.371	0.364	0.390	5.93
29) C	2,4-Dichloroph...	0.285	0.291	0.289	0.280	0.269	0.267	0.261	0.277	4.24
30)	1,2,4-Trichlor...	0.334	0.326	0.323	0.312	0.299	0.293	0.288	0.311	5.71
31)	Naphthalene	1.034	1.011	0.960	0.909	0.868	0.856	0.814	0.922	8.97
32)	Benzoic acid		0.180	0.197	0.219	0.216	0.224	0.238	0.212	9.72
33)	4-Chloroaniline	0.454	0.445	0.433	0.410	0.393	0.387	0.382	0.415	7.03
34) C	Hexachlorobuta...	0.186	0.184	0.181	0.169	0.166	0.163	0.160	0.173	6.14
35)	Caprolactam		0.097	0.101	0.100	0.095	0.094	0.093	0.097	3.39
36) C	4-Chloro-3-met...	0.317	0.313	0.310	0.303	0.289	0.286	0.284	0.300	4.67
37)	2-Methylnaphth...	0.693	0.662	0.631	0.603	0.575	0.566	0.540	0.610	9.01

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38)	1-Methylnaphth...	0.678	0.633	0.613	0.582	0.557	0.541	0.521	0.589	9.40
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.691	0.672	0.636	0.622	0.596	0.587	0.558	0.623	7.64
41) P	Hexachlorocycl...	0.265	0.317	0.330	0.340	0.328	0.328	0.322	0.319	7.80
42) S	2,4,6-Tribromo...	0.214	0.208	0.208	0.200	0.191	0.188	0.178	0.198	6.58
43) C	2,4,6-Trichlor...	0.399	0.425	0.411	0.411	0.397	0.391	0.380	0.402	3.74
44)	2,4,5-Trichlor...	0.445	0.433	0.441	0.430	0.413	0.413	0.398	0.425	4.03
45) S	2-Fluorobiphenyl		1.509	1.386	1.279	1.213	1.173	1.082	1.274	12.09
46)	1,1'-Biphenyl	2.097	1.996	1.886	1.777	1.694	1.647	1.563	1.809	10.70
47)	2-Chloronaphth...	1.482	1.425	1.372	1.325	1.257	1.241	1.185	1.327	8.03
48)	2-Nitroaniline	0.370	0.413	0.417	0.413	0.405	0.400	0.396	0.402	4.01
49)	Acenaphthylene	2.160	2.086	1.998	1.912	1.812	1.771	1.673	1.916	9.18
50)	Dimethylphthalate	1.636	1.569	1.507	1.459	1.403	1.396	1.364	1.476	6.76
51)	2,6-Dinitrotol...	0.299	0.321	0.333	0.333	0.319	0.316	0.306	0.318	4.00
52) C	Acenaphthene	1.428	1.353	1.307	1.256	1.205	1.189	1.135	1.268	8.05
53)	3-Nitroaniline	0.367	0.395	0.393	0.394	0.369	0.369	0.361	0.378	3.99
54) P	2,4-Dinitrophenol		0.081	0.106	0.113	0.119	0.123	0.128	0.112	15.20
55)	Dibenzofuran	2.032	1.946	1.861	1.773	1.670	1.621	1.522	1.775	10.33
56) P	4-Nitrophenol	0.225	0.282	0.296	0.302	0.288	0.288	0.278	0.280	9.06
57)	2,4-Dinitrotol...	0.348	0.402	0.423	0.427	0.415	0.413	0.399	0.404	6.57
58)	Fluorene	1.563	1.451	1.374	1.304	1.234	1.207	1.114	1.321	11.65
59)	2,3,4,6-Tetrac...	0.340	0.373	0.361	0.354	0.342	0.338	0.315	0.346	5.43
60)	Diethylphthalate	1.601	1.547	1.506	1.439	1.362	1.352	1.282	1.441	8.05
61)	4-Chlorophenyl...	0.822	0.768	0.732	0.685	0.648	0.632	0.590	0.697	11.70
62)	4-Nitroaniline	0.378	0.391	0.387	0.384	0.369	0.366	0.358	0.376	3.22
63)	Azobenzene	1.615	1.546	1.494	1.419	1.356	1.326	1.258	1.431	8.91
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.074	0.086	0.095	0.094	0.098	0.101	0.091	10.62
66) c	n-Nitrosodiphe...	0.722	0.718	0.681	0.649	0.621	0.612	0.588	0.656	8.06
67)	4-Bromophenyl-...	0.236	0.232	0.225	0.217	0.206	0.206	0.198	0.217	6.63
68)	Hexachlorobenzene	0.252	0.249	0.238	0.228	0.219	0.217	0.208	0.230	7.33
69)	Atrazine	0.237	0.229	0.218	0.209	0.197	0.188	0.173	0.207	11.04
70) C	Pentachlorophenol	0.094	0.130	0.143	0.148	0.142	0.143	0.140	0.134	13.85
71)	Phenanthrene	1.253	1.160	1.087	1.021	0.953	0.944	0.908	1.046	12.10
72)	Anthracene	1.210	1.176	1.096	1.032	0.975	0.945	0.909	1.049	11.04
73)	Carbazole	1.194	1.132	1.065	1.004	0.948	0.935	0.891	1.024	10.83
74)	Di-n-butylphth...	1.305	1.275	1.212	1.155	1.085	1.065	0.999	1.157	9.84
75) C	Fluoranthene	1.252	1.190	1.108	1.044	0.976	0.965	0.901	1.062	12.00
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.945	0.900	0.628	0.610	0.538	0.464		0.681	28.85
78)	Pyrene	1.507	1.469	1.412	1.425	1.394	1.430	1.400	1.434	2.82
79) S	Terphenyl-d14	1.116	1.051	0.955	0.936	0.885	0.917	0.872	0.962	9.33
80)	Butylbenzylphth...	0.577	0.617	0.627	0.633	0.623	0.643	0.635	0.622	3.48
81)	Benzo(a)anthra...	1.276	1.251	1.188	1.190	1.139	1.140	1.117	1.186	5.04
82)	3,3'-Dichlorob...	0.474	0.475	0.449	0.422	0.385	0.362	0.325	0.413	14.02

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83)	Chrysene	1.253	1.212	1.140	1.121	1.062	1.064	1.034	1.127	7.26
84)	Bis(2-ethylhex...	0.865	0.871	0.849	0.857	0.820	0.823	0.804	0.841	3.06
85) c	Di-n-octyl pht...	1.330	1.377	1.335	1.322	1.289	1.265	1.239	1.308	3.57
86)	Indeno(1,2,3-c...	1.090	1.012	0.860	0.846	0.847	0.912	0.974	0.935	10.07
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.154	1.172	1.233	1.179	1.120	1.108	1.119	1.155	3.82
89)	Benzo(k)fluora...	1.252	1.173	1.136	1.146	1.100	1.114	1.028	1.135	6.05
90) C	Benzo(a)pyrene	1.120	1.087	1.075	1.069	1.029	1.038	1.021	1.063	3.34
91)	Dibenzo(a,h)an...	0.967	0.933	0.886	0.895	0.880	0.928	0.930	0.917	3.43
92)	Benzo(g,h,i)pe...	0.950	0.886	0.831	0.878	0.876	0.937	0.967	0.904	5.40

(#) = Out of Range