

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF040115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Apr 03 14:42:25 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF078155.D 10 =BF078156.D 25 =BF078157.D 40 =BF078158.D 50 =BF078159.D 60 =BF078160.D 80 =BF078161.D

Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.588	0.566	0.511	0.548	0.533	0.534	0.559	0.549	4.61
3) Pyridine	1.097	1.302	1.611	1.507	1.317	1.614	1.609	1.437	14.04
4) n-Nitrosodimet...	0.519	0.635	0.539	0.520	0.514	0.592	0.553		8.91
5) S 2-Fluorophenol	1.195	1.204	1.254	1.199	1.215	1.171	1.254	1.213	2.54
6) Aniline	2.281	2.215	2.240	2.103	2.061	2.049	2.141	2.156	4.22
7) S Phenol-d6	1.482	1.658	1.583	1.487	1.462	1.436	1.533	1.520	5.09
8) 2-Chlorophenol	1.439	1.493	1.478	1.422	1.409	1.378	1.421	1.434	2.77
9) Benzaldehyde	0.976	0.995	1.010	1.021	1.020	0.999	1.032	1.008	1.89
10) C Phenol	1.836	1.884	1.859	1.801	1.796	1.777	1.798	1.822	2.14
11) bis(2-Chloroet...	1.367	1.318	1.383	1.329	1.277	1.236	1.260	1.310	4.20
12) 1,3-Dichlorobe...	1.727	1.595	1.596	1.529	1.521	1.486	1.574	1.576	4.97
13) C 1,4-Dichlorobe...	1.662	1.659	1.629	1.530	1.546	1.508	1.567	1.586	4.00
14) 1,2-Dichlorobe...	1.594	1.600	1.550	1.444	1.438	1.377	1.406	1.487	6.20
15) Benzyl Alcohol	1.017	1.039	1.106	1.053	1.057	1.050	1.156	1.068	4.42
16) 2,2'-oxybis(1-...	1.780	1.804	1.842	1.718	1.714	1.663	1.709	1.747	3.60
17) 2-Methylphenol	1.018	1.170	1.193	1.122	1.113	1.074	1.106	1.114	5.21
18) Hexachloroethane	0.527	0.562	0.529	0.525	0.530	0.517	0.554	0.535	3.09
19) P n-Nitroso-di-n...	1.025	0.962	1.019	1.000	1.023	1.000	0.991	1.003	2.23
20) 3+4-Methylphenols	1.331	1.510	1.575	1.501	1.478	1.467	1.536	1.486	5.18
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.453	0.479	0.455	0.471	0.464	0.472	0.468	0.466	2.01
23) S Nitrobenzene-d5	0.322	0.329	0.326	0.333	0.330	0.338	0.332	0.330	1.56
24) Nitrobenzene	0.343	0.343	0.339	0.342	0.336	0.352	0.359	0.345	2.37
25) Isophorone	0.602	0.611	0.644	0.657	0.635	0.624	0.611	0.626	3.18
26) C 2-Nitrophenol	0.124	0.152	0.171	0.181	0.170	0.177	0.175	0.164	12.17
27) 2,4-Dimethylph...	0.294	0.308	0.310	0.315	0.303	0.308	0.301	0.306	2.24
28) bis(2-Chloroet...	0.422	0.413	0.414	0.412	0.391	0.386	0.373	0.402	4.55
29) C 2,4-Dichloroph...	0.270	0.266	0.287	0.284	0.277	0.276	0.287	0.278	2.94
30) 1,2,4-Trichlor...	0.360	0.320	0.320	0.314	0.305	0.307	0.306	0.319	6.10
31) Naphthalene	1.108	1.066	1.071	1.034	1.006	1.008	0.994	1.041	4.04
32) Benzoic acid	0.089	0.121	0.140	0.140	0.146	0.154	0.132		18.00
33) 4-Chloroaniline	0.416	0.446	0.447	0.453	0.426	0.422	0.414	0.432	3.78
34) C Hexachlorobuta...	0.175	0.178	0.178	0.177	0.173	0.170	0.175	0.175	1.65
35) Caprolactam	0.066	0.074	0.088	0.089	0.085	0.090	0.089	0.083	11.18
36) C 4-Chloro-3-met...	0.244	0.290	0.296	0.292	0.282	0.281	0.279	0.281	6.19
37) 2-Methylnaphth...	0.753	0.721	0.731	0.710	0.683	0.679	0.670	0.707	4.35

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-----ISTD-----										
38) I	Acenaphthene-d10									
39)	1,2,4,5-Tetrac...	0.649	0.637	0.603	0.628	0.608	0.603	0.609	0.620	2.93
40) P	Hexachlorocycl...		0.154	0.203	0.235	0.244	0.251	0.275	0.227	18.92
41) S	2,4,6-Tribromo...	0.130	0.160	0.176	0.174	0.171	0.172	0.178	0.166	10.24
42) C	2,4,6-Trichlor...	0.340	0.405	0.404	0.403	0.394	0.392	0.396	0.391	5.85
43)	2,4,5-Trichlor...	0.350	0.442	0.418	0.418	0.404	0.408	0.419	0.408	6.92
44) S	2-Fluorobiphenyl	1.519	1.554	1.382	1.382	1.310	1.332	1.315	1.399	7.05
45)	1,1'-Biphenyl	1.729	1.719	1.651	1.643	1.590	1.562	1.558	1.636	4.29
46)	2-Chloronaphth...	1.402	1.385	1.300	1.277	1.223	1.200	1.223	1.287	6.25
47)	2-Nitroaniline	0.242	0.313	0.318	0.334	0.329	0.337	0.355	0.318	11.39
48)	Acenaphthylene	2.108	2.156	2.106	2.094	2.045	2.007	2.033	2.079	2.50
49)	Dimethylphthalate	1.574	1.596	1.480	1.476	1.455	1.459	1.478	1.503	3.83
50)	2,6-Dinitrotol...	0.251	0.308	0.307	0.321	0.322	0.327	0.327	0.309	8.64
51) C	Acenaphthene	1.224	1.235	1.186	1.145	1.122	1.129	1.150	1.170	3.87
52)	3-Nitroaniline	0.280	0.361	0.383	0.381	0.345	0.345	0.365	0.352	9.97
53) P	2,4-Dinitrophenol		0.023	0.065	0.086	0.095	0.106	0.120	0.083	41.64
54)	Dibenzofuran	1.959	1.971	1.817	1.758	1.661	1.672	1.674	1.787	7.47
55) P	4-Nitrophenol	0.151	0.195	0.230	0.249	0.239	0.254	0.266	0.226	17.74
56)	2,4-Dinitrotol...	0.309	0.381	0.416	0.426	0.418	0.436	0.416	0.400	10.88
57)	Fluorene	1.510	1.583	1.480	1.460	1.414	1.346	1.349	1.449	5.96
58)	2,3,4,6-Tetrac...	0.241	0.304	0.317	0.318	0.308	0.313	0.318	0.303	9.19
59)	Diethylphthalate	1.464	1.495	1.469	1.482	1.421	1.423	1.388	1.449	2.68
60)	4-Chlorophenyl...	0.683	0.718	0.669	0.661	0.651	0.635	0.648	0.666	4.11
61)	4-Nitroaniline	0.270	0.344	0.370	0.391	0.355	0.359	0.398	0.355	11.92
62)	Azobenzene	1.193	1.346	1.288	1.316	1.272	1.417	1.424	1.322	6.21
-----ISTD-----										
63) I	Phenanthrene-d10									
64)	4,6-Dinitro-2-...		0.049	0.077	0.090	0.097	0.100	0.113	0.087	25.47
65) c	n-Nitrosodiphe...	0.706	0.698	0.691	0.707	0.671	0.676	0.694	0.692	2.04
66)	4-Bromophenyl-...	0.218	0.217	0.215	0.218	0.199	0.209	0.207	0.212	3.31
67)	Hexachlorobenzene	0.237	0.241	0.237	0.238	0.223	0.225	0.225	0.232	3.36
68)	Atrazine	0.185	0.195	0.206	0.218	0.199	0.204	0.196	0.200	5.11
69) C	Pentachlorophenol		0.047	0.074	0.094	0.091	0.096	0.106	0.085	25.09
70)	Phenanthrene	1.227	1.192	1.167	1.193	1.096	1.100	1.124	1.157	4.40
71)	Anthracene	1.140	1.177	1.178	1.177	1.093	1.085	1.130	1.140	3.49
72)	Carbazole	1.060	1.113	1.069	1.138	1.031	1.041	1.027	1.068	3.97
73)	Di-n-butylphth...	1.056	1.188	1.253	1.302	1.221	1.224	1.227	1.210	6.31
74) C	Fluoranthene	1.237	1.258	1.209	1.250	1.196	1.176	1.214	1.220	2.45
-----ISTD-----										
75) I	Chrysene-d12									
76)	Benzidine		0.782	0.777	0.789	0.767	0.751	0.754	0.770	1.99
77)	Pyrene	1.265	1.265	1.299	1.251	1.234	1.225	1.250	1.256	1.92
78) S	Terphenyl-d14	0.940	0.918	0.913	0.893	0.876	0.840	0.814	0.885	5.10
79)	Butylbenzylphth...	0.375	0.427	0.494	0.517	0.507	0.508	0.523	0.479	11.65
80)	Benzo(a)anthra...	1.201	1.172	1.194	1.245	1.179	1.185	1.154	1.190	2.40
81)	3,3'-Dichlorob...	0.349	0.378	0.409	0.414	0.420	0.404	0.416	0.399	6.53
82)	Chrysene	1.193	1.157	1.148	1.083	1.079	1.064	1.101	1.118	4.34

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83)	Bis(2-ethylhex...	0.567	0.704	0.778	0.806	0.798	0.792	0.809	0.751	11.80
84) c	Di-n-octyl pht...	0.894	1.128	1.250	1.327	1.328	1.360	1.341	1.232	13.73
85)	Indeno(1,2,3-c...	1.203	1.232	1.292	1.295	1.269	1.280	1.309	1.269	2.99
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.266	1.185	1.457	1.196	1.242	1.125	1.182	1.236	8.68
88)	Benzo(k)fluora...	1.089	1.194	0.924	1.114	1.036	1.212	1.119	1.098	8.89
89) C	Benzo(a)pyrene	1.033	1.072	1.102	1.101	1.055	1.088	1.100	1.079	2.48
90)	Dibenzo(a,h)an...	1.064	1.068	1.092	1.093	1.069	1.098	1.077	1.080	1.29
91)	Benzo(g,h,i)pe...	1.096	1.073	1.098	1.083	1.060	1.081	1.089	1.083	1.22

(#) = Out of Range