

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF031115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Mar 28 05:37:34 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF077681.D 10 =BF077682.D 25 =BF077683.D 40 =BF077684.D 50 =BF077685.D 60 =BF077686.D 80 =BF077687.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.559	0.530	0.546	0.524	0.520	0.509	0.454	0.520	6.45
3)	Pyridine	1.230	1.401	1.482	1.363	1.497	1.338	1.474	1.398	6.89
4)	n-Nitrosodimet...	0.493	0.651	0.582	0.655	0.643	0.658	0.578	0.609	10.09
5) S	2-Fluorophenol	1.198	1.155	1.160	1.109	1.133	1.138	1.127	1.146	2.52
6)	Aniline	1.979	2.108	2.060	1.961	2.034	2.023	2.009	2.025	2.44
7) S	Phenol-d6	1.433	1.427	1.444	1.405	1.437	1.427	1.337	1.416	2.61
8)	2-Chlorophenol	1.508	1.376	1.371	1.305	1.330	1.336	1.320	1.364	5.03
9)	Benzaldehyde	0.558	0.608	0.589	0.574	0.587	0.574	0.570	0.580	2.81
10) C	Phenol	1.805	1.694	1.767	1.617	1.658	1.596	1.577	1.673	5.18
11)	bis(2-Chloroet...	1.242	1.256	1.255	1.237	1.290	1.288	1.206	1.253	2.35
12)	1,3-Dichlorobe...	1.670	1.564	1.510	1.457	1.490	1.495	1.433	1.517	5.21
13) C	1,4-Dichlorobe...	1.714	1.599	1.583	1.488	1.572	1.554	1.524	1.576	4.55
14)	1,2-Dichlorobe...	1.581	1.416	1.471	1.375	1.443	1.421	1.408	1.445	4.63
15)	Benzyl Alcohol	1.151	1.122	1.159	1.091	1.122	1.079	1.010	1.105	4.60
16)	2,2'-oxybis(1-...	1.716	1.630	1.743	1.639	1.685	1.687	1.725	1.689	2.54
17)	2-Methylphenol	1.120	1.134	1.159	1.102	1.127	1.085	1.045	1.110	3.36
18)	Hexachloroethane	0.537	0.539	0.518	0.485	0.516	0.513	0.510	0.517	3.46
19) P	n-Nitroso-di-n...	1.025	1.026	1.005	0.943	0.943	0.955	0.959	0.979	3.86
20)	3+4-Methylphenols	1.527	1.525	1.505	1.401	1.451	1.426	1.363	1.457	4.42
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.485	0.459	0.436	0.435	0.428	0.423	0.434	0.443	4.90
23) S	Nitrobenzene-d5	0.311	0.307	0.299	0.295	0.308	0.311	0.304	0.305	2.00
24)	Nitrobenzene	0.356	0.329	0.322	0.311	0.320	0.326	0.337	0.329	4.44
25)	Isophorone	0.653	0.601	0.615	0.614	0.624	0.611	0.595	0.616	3.02
26) C	2-Nitrophenol	0.137	0.150	0.162	0.170	0.170	0.169	0.168	0.161	7.93
27)	2,4-Dimethylph...	0.307	0.289	0.291	0.293	0.293	0.294	0.285	0.293	2.33
28)	bis(2-Chloroet...	0.416	0.385	0.370	0.364	0.351	0.360	0.372	0.374	5.71
29) C	2,4-Dichloroph...	0.300	0.280	0.288	0.280	0.276	0.269	0.264	0.279	4.22
30)	1,2,4-Trichlor...	0.353	0.318	0.304	0.309	0.308	0.303	0.292	0.313	6.26
31)	Naphthalene	1.154	1.081	1.063	1.006	1.004	0.971	0.911	1.027	7.74
32)	Benzoic acid	0.068	0.122	0.146	0.154	0.160	0.170	0.170	0.141	25.61
33)	4-Chloroaniline	0.430	0.411	0.425	0.422	0.412	0.414	0.404	0.417	2.16
34) C	Hexachlorobuta...	0.196	0.177	0.175	0.173	0.175	0.177	0.167	0.177	5.01
35)	Caprolactam	0.077	0.084	0.085	0.082	0.083	0.083	0.078	0.082	3.70
36) C	4-Chloro-3-met...	0.305	0.276	0.287	0.273	0.294	0.289	0.242	0.281	7.21
37)	2-Methylnaphth...	0.787	0.739	0.719	0.695	0.676	0.661	0.555	0.690	10.58

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.656	0.603	0.593	0.590	0.599	0.582	0.552	0.597	5.22
40)	P	Hexachlorocycl...	0.152	0.205	0.258	0.275	0.287	0.297	0.303	0.254	21.89
41)	S	2,4,6-Tribromo...	0.176	0.202	0.202	0.193	0.193	0.191	0.182	0.191	5.10
42)	C	2,4,6-Trichlor...	0.381	0.407	0.419	0.428	0.422	0.427	0.408	0.413	3.97
43)		2,4,5-Trichlor...	0.446	0.449	0.446	0.440	0.455	0.453	0.435	0.446	1.52
44)	S	2-Fluorobiphenyl	1.554	1.467	1.348	1.305	1.300	1.286	1.266	1.361	7.94
45)		1,1'-Biphenyl	1.677	1.670	1.611	1.606	1.600	1.565	1.462	1.599	4.52
46)		2-Chloronaphth...	1.358	1.342	1.297	1.265	1.287	1.286	1.260	1.299	2.87
47)		2-Nitroaniline	0.309	0.311	0.332	0.341	0.339	0.332	0.294	0.323	5.52
48)		Acenaphthylene	2.483	2.289	2.229	2.098	2.065	2.025	1.935	2.161	8.60
49)		Dimethylphthalate	1.582	1.607	1.546	1.444	1.441	1.407	1.356	1.483	6.42
50)		2,6-Dinitrotol...	0.273	0.315	0.316	0.308	0.310	0.318	0.313	0.307	5.09
51)	C	Acenaphthene	1.403	1.320	1.230	1.232	1.212	1.174	1.101	1.239	7.92
52)		3-Nitroaniline	0.354	0.344	0.348	0.365	0.383	0.369	0.336	0.357	4.56
53)	P	2,4-Dinitrophenol		0.059	0.079	0.093	0.099	0.112	0.115	0.093	22.87
54)		Dibenzofuran	2.031	1.942	1.844	1.823	1.822	1.760	1.639	1.837	6.82
55)	P	4-Nitrophenol	0.212	0.254	0.265	0.282	0.293	0.288	0.257	0.265	10.49
56)		2,4-Dinitrotol...	0.358	0.398	0.418	0.400	0.417	0.418	0.398	0.401	5.29
57)		Fluorene	1.640	1.645	1.561	1.527	1.490	1.464	1.352	1.526	6.77
58)		2,3,4,6-Tetrac...	0.325	0.354	0.351	0.346	0.355	0.342	0.334	0.344	3.23
59)		Diethylphthalate	1.598	1.477	1.431	1.436	1.448	1.424	1.303	1.445	6.00
60)		4-Chlorophenyl...	0.782	0.731	0.705	0.682	0.679	0.675	0.621	0.696	7.22
61)		4-Nitroaniline	0.313	0.370	0.350	0.360	0.389	0.378	0.331	0.356	7.48
62)		Azobenzene	1.408	1.435	1.394	1.487	1.368	1.362	1.216	1.381	6.12
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...	0.035	0.054	0.079	0.089	0.093	0.095	0.101	0.078	31.16
65)	c	n-Nitrosodiphe...	0.691	0.672	0.673	0.683	0.664	0.663	0.615	0.666	3.68
66)		4-Bromophenyl-...	0.203	0.213	0.217	0.219	0.216	0.219	0.207	0.213	3.00
67)		Hexachlorobenzene	0.247	0.237	0.230	0.237	0.235	0.234	0.221	0.235	3.36
68)		Atrazine	0.168	0.187	0.183	0.196	0.199	0.196	0.178	0.187	6.07
69)	C	Pentachlorophenol	0.059	0.088	0.103	0.115	0.118	0.124	0.124	0.104	22.61
70)		Phenanthrene	1.247	1.175	1.134	1.153	1.132	1.145	1.049	1.148	5.14
71)		Anthracene	1.220	1.181	1.122	1.106	1.088	1.137	1.087	1.134	4.39
72)		Carbazole	1.151	1.181	1.028	1.044	1.038	1.077	1.033	1.079	5.77
73)		Di-n-butylphth...	1.200	1.341	1.188	1.212	1.168	1.228	1.131	1.210	5.43
74)	C	Fluoranthene	1.280	1.401	1.212	1.346	1.208	1.243	1.175	1.266	6.45
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.898	0.487	0.455	0.510	0.488	0.493	0.494	0.546	28.54
77)		Pyrene	1.313	1.318	1.210	1.363	1.265	1.186	1.149	1.258	6.24
78)	S	Terphenyl-d14	0.891	0.848	0.802	0.863	0.809	0.778	0.739	0.819	6.41
79)		Butylbenzylpht...	0.482	0.479	0.482	0.503	0.518	0.501	0.506	0.496	3.02
80)		Benzo(a) anthra...	1.349	1.190	1.160	1.141	1.192	1.163	1.105	1.186	6.56
81)		3,3'-Dichlorob...	0.412	0.389	0.391	0.371	0.391	0.397	0.387	0.391	3.13
82)		Chrysene	1.141	1.078	1.058	1.058	1.083	1.046	0.997	1.066	4.06

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83)	Bis(2-ethylhex...	0.769	0.740	0.734	0.735	0.773	0.753	0.754	0.751	2.11
84) c	Di-n-octyl pht...	1.317	1.257	1.212	1.247	1.285	1.400	1.272	1.284	4.71
85)	Indeno(1,2,3-c...	1.365	1.258	1.257	1.233	1.343	1.506	1.353	1.331	7.05
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.469	1.212	1.329	1.297	1.274	1.357	1.200	1.306	7.04
88)	Benzo(k)fluora...	1.037	1.261	0.936	0.969	1.040	0.883	1.014	1.020	11.82
89) C	Benzo(a)pyrene	1.176	1.125	1.061	1.075	1.082	1.064	1.043	1.089	4.23
90)	Dibenzo(a,h)an...	1.149	1.078	1.036	1.061	1.098	1.089	1.053	1.081	3.41
91)	Benzo(g,h,i)pe...	1.154	1.105	1.034	1.096	1.116	1.113	1.082	1.100	3.34

(#) = Out of Range