

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF072315.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 23 19:10:33 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF080590.D 10 =BF080596.D 25 =BF080591.D 40 =BF080592.D 50 =BF080593.D 60 =BF080594.D 80 =BF080595.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.602	0.532	0.591	0.518	0.514	0.553	0.552	6.78	
3)	Pyridine	1.344	1.331	1.611	1.269	1.596	1.644	1.466	11.47	
4)	n-Nitrosodimet...	0.847	0.857	1.003	0.922	0.933	0.997	0.927	7.17	
5) S	2-Fluorophenol	0.980	1.166	1.088	1.243	1.172	1.198	1.258	1.158	8.32
6)	Aniline	1.799	2.016	2.019	2.258	2.123	2.129	2.137	2.069	6.98
7) S	Phenol-d6	1.140	1.416	1.409	1.594	1.496	1.429	1.425	1.416	9.77
8)	2-Chlorophenol	0.981	1.253	1.156	1.351	1.288	1.289	1.389	1.244	11.06
9)	Benzaldehyde	1.122	1.191	1.063	1.115	0.995	0.958	0.884	1.047	10.21
10) C	Phenol	1.477	1.818	1.580	1.894	1.807	1.700	1.579	1.694	9.06
11)	bis(2-Chloroet...	1.213	1.278	1.145	1.211	1.100	1.117	1.168	1.176	5.32
12)	1,3-Dichlorobe...	1.537	1.592	1.476	1.637	1.604	1.569	1.623	1.577	3.52
13) C	1,4-Dichlorobe...	1.401	1.595	1.460	1.608	1.555	1.558	1.654	1.548	5.69
14)	1,2-Dichlorobe...	1.380	1.489	1.392	1.525	1.448	1.440	1.367	1.435	4.10
15)	Benzyl Alcohol	1.020	1.182	1.156	1.321	1.370	1.378	1.304	1.247	10.61
16)	2,2'-oxybis(1-...	2.184	2.439	2.333	2.542	2.403	2.379	2.406	2.384	4.58
17)	2-Methylphenol	0.836	1.027	0.931	1.050	0.973	0.980	1.065	0.980	8.05
18)	Hexachloroethane	0.468	0.487	0.517	0.565	0.549	0.574	0.586	0.535	8.48
19) P	n-Nitroso-di-n...	0.799	0.933	0.835	0.996	1.047	1.053	1.051	0.959	11.11
20)	3+4-Methylphenols	1.155	1.340	1.363	1.422	1.384	1.396	1.426	1.355	6.88
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.394	0.457	0.481	0.524	0.498	0.523	0.534	0.487	10.12
23) S	Nitrobenzene-d5	0.296	0.375	0.355	0.384	0.353	0.351	0.357	0.353	7.91
24)	Nitrobenzene	0.282	0.343	0.356	0.413	0.418	0.412	0.416	0.377	13.88
25)	Isophorone	0.565	0.622	0.633	0.702	0.697	0.683	0.675	0.654	7.59
26) C	2-Nitrophenol	0.120	0.118	0.138	0.140	0.142	0.150	0.135		9.55
27)	2,4-Dimethylph...	0.291	0.247	0.300	0.320	0.308	0.301	0.317	0.298	8.26
28)	bis(2-Chloroet...	0.336	0.345	0.341	0.366	0.357	0.381	0.403	0.361	6.70
29) C	2,4-Dichloroph...	0.199	0.222	0.236	0.249	0.260	0.256	0.281	0.244	11.09
30)	1,2,4-Trichlor...	0.298	0.306	0.310	0.318	0.330	0.319	0.336	0.317	4.19
31)	Naphthalene	0.966	0.986	0.991	1.028	1.026	0.999	1.007	1.000	2.22
32)	Benzoic acid	0.095	0.106	0.127	0.131	0.147	0.153	0.127		17.83
33)	4-Chloroaniline	0.322	0.372	0.395	0.411	0.407	0.405	0.435	0.392	9.28
34) C	Hexachlorobuta...	0.182	0.166	0.185	0.189	0.184	0.185	0.202	0.185	5.75
35)	Caprolactam	0.064	0.050	0.066	0.075	0.065	0.071	0.067	0.066	11.97
36) C	4-Chloro-3-met...	0.220	0.261	0.294	0.325	0.314	0.312	0.303	0.290	12.77
37)	2-Methylnaphth...	0.508	0.563	0.554	0.586	0.554	0.568	0.589	0.560	4.79

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.677	0.702	0.660	0.689	0.677	0.709	0.622	0.676	4.29
40) P	Hexachlorocycl...		0.366	0.327	0.363	0.365	0.365	0.350	0.356	4.34
41) S	2,4,6-Tribromo...	0.118	0.142	0.159	0.166	0.166	0.176	0.182	0.158	13.67
42) C	2,4,6-Trichlor...	0.355	0.394	0.350	0.383	0.391	0.403	0.379	0.379	5.25
43)	2,4,5-Trichlor...	0.336	0.411	0.360	0.389	0.394	0.392	0.399	0.383	6.78
44) S	2-Fluorobiphenyl	1.530	1.530	1.311	1.366	1.328	1.335	1.249	1.378	7.95
45)	1,1'-Biphenyl	1.773	1.782	1.533	1.638	1.616	1.610	1.446	1.628	7.41
46)	2-Chloronaphth...	1.408	1.451	1.239	1.324	1.327	1.307	1.165	1.317	7.32
47)	2-Nitroaniline		0.351	0.383	0.403	0.414	0.451	0.408	0.402	8.28
48)	Acenaphthylene	1.809	1.955	1.926	1.947	1.973	2.032	2.014	1.951	3.73
49)	Dimethylphthalate	1.372	1.449	1.488	1.547	1.491	1.564	1.388	1.471	4.99
50)	2,6-Dinitrotol...		0.270	0.255	0.291	0.295	0.285	0.255	0.275	6.44
51) C	Acenaphthene	1.063	1.193	1.170	1.164	1.208	1.178	1.228	1.172	4.52
52)	3-Nitroaniline		0.247	0.276	0.293	0.327	0.311	0.342	0.299	11.58
53) P	2,4-Dinitrophenol		0.047	0.062	0.072	0.079	0.093	0.100	0.076	25.75
54)	Dibenzofuran	1.638	1.670	1.687	1.728	1.715	1.728	1.692	1.694	1.94
55) P	4-Nitrophenol		0.214	0.203	0.211	0.233	0.224	0.211	0.216	4.98
56)	2,4-Dinitrotol...		0.319	0.305	0.371	0.367	0.374	0.333	0.345	8.56
57)	Fluorene	1.312	1.334	1.346	1.415	1.399	1.355	1.358	1.360	2.65
58)	2,3,4,6-Tetrac...	0.212	0.288	0.303	0.325	0.324	0.315	0.318	0.298	13.43
59)	Diethylphthalate	1.386	1.549	1.284	1.281	1.344	1.367	1.403	1.373	6.60
60)	4-Chlorophenyl...	0.690	0.652	0.541	0.607	0.603	0.622	0.561	0.611	8.32
61)	4-Nitroaniline		0.272	0.272	0.298	0.337	0.332	0.299	0.301	9.33
62)	Azobenzene	1.228	1.477	1.421	1.514	1.526	1.540	1.365	1.439	7.78
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.043	0.051	0.062	0.071	0.072	0.092	0.065	26.43
65) c	n-Nitrosodiphe...	0.667	0.698	0.625	0.668	0.651	0.665	0.619	0.656	4.14
66)	4-Bromophenyl-...	0.205	0.205	0.188	0.205	0.209	0.207	0.204	0.203	3.51
67)	Hexachlorobenzene	0.264	0.216	0.225	0.224	0.219	0.220	0.239	0.230	7.31
68)	Atrazine	0.144	0.185	0.180	0.197	0.200	0.193	0.164	0.180	11.19
69) C	Pentachlorophenol		0.086	0.093	0.107	0.119	0.123	0.115	0.107	13.89
70)	Phenanthrene	1.141	1.155	1.080	1.151	1.129	1.161	1.086	1.129	2.94
71)	Anthracene	0.975	1.022	1.109	1.051	1.057	1.045	1.142	1.057	5.19
72)	Carbazole	0.795	0.973	0.904	0.941	0.941	0.960	0.885	0.914	6.65
73)	Di-n-butylphth...		0.956	1.085	1.126	1.085	1.023	1.099	1.062	5.87
74) C	Fluoranthene	0.913	0.986	1.012	1.041	1.062	1.004	1.053	1.010	5.02
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.560	0.608	0.609	0.633	0.571	0.545	0.588	5.75
77)	Pyrene	1.275	1.362	1.320	1.345	1.350	1.335	1.406	1.342	3.00
78) S	Terphenyl-d14	0.904	0.988	0.926	0.958	0.952	0.999	0.964	0.956	3.45
79)	Butylbenzylphth...		0.307	0.396	0.474	0.478	0.502	0.505	0.444	17.57
80)	Benzo(a)anthra...	1.057	1.083	1.139	1.150	1.161	1.184	1.120	1.128	3.97
81)	3,3'-Dichlorob...		0.254	0.320	0.351	0.349	0.328	0.332	0.322	10.98
82)	Chrysene	1.147	1.173	1.088	1.140	1.157	1.049	1.099	1.122	3.97

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83)	Bis(2-ethylhex...	0.521	0.596	0.682	0.730	0.702	0.704	0.656	12.25
84) c	Di-n-octyl pht...	0.495	0.701	0.900	0.978	0.942	0.958	0.829	23.19
85)	Indeno(1,2,3-c...	0.685	0.761	0.913	0.926	0.873	0.936	0.849	12.11
86) I	Perylene-d12	-----ISTD-----							
87)	Benzo(b)fluora...	1.034	1.249	1.125	1.261	1.295	1.272	1.280	8.08
88)	Benzo(k)fluora...	1.018	1.151	1.308	1.321	1.196	1.242	1.238	8.54
89) C	Benzo(a)pyrene	0.860	1.021	1.115	1.154	1.142	1.136	1.125	9.82
90)	Dibenzo(a,h)an...	0.807	0.935	1.105	1.032	1.060	1.176	1.019	12.84
91)	Benzo(g,h,i)pe...	0.823	0.933	1.122	1.057	1.111	1.201	1.041	13.32

(#) = Out of Range