

Method Path : Z:\HPCHEM1\BNA\_F\METHODS\  
 Method File : 8270-BF062916.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Thu Jun 30 02:07:38 2016  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF088499.D 10 =BF088500.D 25 =BF088501.D 40 =BF088502.D 50 =BF088503.D 60 =BF088504.D 80 =BF088505.D

Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.793	0.680	0.635	0.633	0.612	0.647	0.618	0.660	9.51
3) Pyridine	2.213	1.956	1.879	1.869	1.810	1.901	1.811	1.920	7.24
4) n-Nitrosodimet...	0.805	0.728	0.746	0.760	0.741	0.784	0.725	0.756	3.92
5) S 2-Fluorophenol	1.584	1.388	1.223	1.319	1.254	1.233	1.039	1.292	12.99
6) Aniline	2.611	2.434	2.406	2.507	2.369	2.372	2.183	2.412	5.48
7) S Phenol-d6	2.139	1.641	1.608	1.693	1.495	1.521	1.464	1.652	13.93
8) 2-Chlorophenol	1.744	1.409	1.487	1.389	1.261	1.313	1.319	1.418	11.42
9) Benzaldehyde	0.690	0.579	0.670	0.729	0.668	0.660	0.642	0.663	6.91
10) C Phenol	1.832	1.845	2.155	1.845	1.597	1.803	1.846	9.68	
11) bis(2-Chloroet...	1.928	1.406	1.600	1.351	1.292	1.526	1.367	1.496	14.59
12) 1,3-Dichlorobe...	1.792	1.541	1.543	1.536	1.416	1.405	1.227	1.494	11.62
13) C 1,4-Dichlorobe...	1.780	1.489	1.509	1.566	1.476	1.516	1.325	1.523	8.93
14) 1,2-Dichlorobe...	1.769	1.546	1.498	1.320	1.215	1.215	1.226	1.399	15.22
15) Benzyl Alcohol	1.634	1.454	1.283	1.430	1.359	1.310	1.091	1.366	12.30
16) 2,2'-oxybis(1-...	2.698	2.287	2.103	2.091	1.978	2.080	1.976	2.173	11.66
17) 2-Methylphenol	1.326	1.245	1.178	1.231	1.190	1.215	1.059	1.206	6.70
18) Hexachloroethane	0.709	0.604	0.572	0.572	0.551	0.562	0.536	0.587	9.91
19) P n-Nitroso-di-n...	1.320	1.233	1.041	1.098	1.069	1.139	0.969	1.124	10.58
20) 3+4-Methylphenols	1.573	1.477	1.326	1.188	1.307	1.123	1.332	12.73	
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.550	0.556	0.457	0.471	0.476	0.379	0.482	13.67	
23) S Nitrobenzene-d5	0.399	0.407	0.379	0.408	0.377	0.360	0.335	0.381	7.01
24) Nitrobenzene	0.479	0.394	0.461	0.377	0.363	0.404	0.382	0.409	10.78
25) Isophorone	0.936	0.763	0.808	0.771	0.734	0.720	0.654	0.769	11.43
26) C 2-Nitrophenol	0.108	0.108	0.142	0.156	0.147	0.143	0.126	0.133	14.33
27) 2,4-Dimethylph...	0.401	0.387	0.357	0.329	0.332	0.338	0.275	0.345	12.11
28) bis(2-Chloroet...	0.555	0.506	0.544	0.450	0.414	0.418	0.434	0.474	12.60
29) C 2,4-Dichloroph...	0.329	0.285	0.280	0.292	0.268	0.259	0.235	0.278	10.51
30) 1,2,4-Trichlor...	0.373	0.320	0.310	0.301	0.287	0.294	0.257	0.306	11.67
31) Naphthalene	1.206	1.035	1.025	0.977	0.987	0.858	1.015	11.15	
32) Benzoic acid	0.401	0.066	0.080	0.118	0.111	0.123	0.112	0.145	79.58
33) 4-Chloroaniline	0.551	0.506	0.423	0.460	0.440	0.440	0.349	0.453	14.07
34) C Hexachlorobuta...	0.204	0.173	0.164	0.153	0.143	0.141	0.132	0.158	15.45
35) Caprolactam	0.097	0.084	0.089	0.085	0.088	0.080	0.073	0.085	9.07
36) C 4-Chloro-3-met...	0.357	0.305	0.338	0.317	0.305	0.305	0.237	0.309	12.17
37) 2-Methylnaphth...	0.701	0.694	0.676	0.617	0.586	0.471	0.624	14.04	

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-----ISTD-----										
38) I	Acenaphthene-d10									
39)	1,2,4,5-Tetrac...	0.822	0.698	0.606	0.524	0.509	0.519	0.529	0.601	19.73
40) P	Hexachlorocycl...	0.300	0.301	0.317	0.338	0.328	0.339	0.318	0.320	4.98
41) S	2,4,6-Tribromo...	0.161	0.158	0.167	0.152	0.142	0.150	0.144	0.153	5.91
42) C	2,4,6-Trichlor...	0.444	0.393	0.423	0.411	0.377	0.372	0.374	0.399	6.92
43)	2,4,5-Trichlor...	0.446	0.389	0.436	0.413	0.383	0.380	0.345	0.399	8.77
44) S	2-Fluorobiphenyl	1.997	1.561	1.484	1.286	1.167	1.081	0.965	1.363	25.74
45)	1,1'-Biphenyl	2.402	2.047	1.790	1.627	1.557	1.597	1.433	1.779	18.99
46)	2-Chloronaphth...	1.818	1.608	1.396	1.254	1.216	1.257	1.185	1.391	17.09
47)	2-Nitroaniline	0.306	0.341	0.413	0.372	0.377	0.421	0.428	0.380	11.93
48)	Acenaphthylene		2.519	2.163	2.215	2.029	2.014	1.727	2.111	12.43
49)	Dimethylphthalate	1.985	1.786	1.546	1.432	1.274	1.303	1.332	1.522	17.75
50)	2,6-Dinitrotol...	0.292	0.306	0.291	0.349	0.313	0.294	0.260	0.301	8.97
51) C	Acenaphthene		1.461	1.272	1.312	1.208	1.201	1.002	1.243	12.14
52)	3-Nitroaniline	0.328	0.286	0.391	0.327	0.334	0.395	0.334	0.342	11.22
53) P	2,4-Dinitrophenol	0.011	0.024	0.033	0.066	0.066	0.067	0.069	0.048#	51.45
54)	Dibenzofuran		2.180	1.890	1.860	1.764	1.778	1.532	1.834	11.52
55) P	4-Nitrophenol		0.182	0.253	0.236	0.242	0.283	0.209	0.234	14.84
56)	2,4-Dinitrotol...		0.332	0.370	0.439	0.408	0.400	0.307	0.376	13.21
57)	Fluorene	2.058	1.680	1.381	1.261	1.125	1.191	1.087	1.398	25.29
58)	2,3,4,6-Tetrac...	0.314	0.310	0.288	0.316	0.300	0.309	0.263	0.300	6.34
59)	Diethylphthalate		1.604	1.602	1.492	1.327	1.326	1.231	1.430	11.05
60)	4-Chlorophenyl...	0.828	0.714	0.652	0.556	0.501	0.481	0.424	0.594	24.23
61)	4-Nitroaniline	0.265	0.270	0.315	0.332	0.312	0.294	0.241	0.290	11.18
62)	Azobenzene	2.324	1.842	1.966	1.968	1.778	1.701	1.448	1.861	14.55
-----ISTD-----										
63) I	Phenanthrene-d10									
64)	4,6-Dinitro-2-...	0.013	0.030	0.038	0.064	0.062	0.067	0.081	0.051	47.22
65) c	n-Nitrosodiphe...	0.871	0.761	0.769	0.644	0.626	0.668	0.674	0.716	12.27
66)	4-Bromophenyl-...	0.260	0.223	0.207	0.218	0.212	0.206	0.189	0.216	10.20
67)	Hexachlorobenzene	0.272	0.242	0.236	0.199	0.194	0.196	0.202	0.220	13.74
68)	Atrazine	0.236	0.200	0.213	0.200	0.189	0.213	0.197	0.207	7.44
69) C	Pentachlorophenol	0.070	0.084	0.088	0.109	0.109	0.118	0.114	0.099	18.35
70)	Phenanthrene	1.452	1.222	1.219	1.012	0.956	0.923	0.844	1.090	19.73
71)	Anthracene	1.641	1.319	1.124	1.121	1.090	1.097	1.028	1.203	17.73
72)	Carbazole		1.014	0.970	0.981	0.950	0.901	0.786	0.934	8.70
73)	Di-n-butylphth...		1.326	1.297	1.245	1.170	1.140	1.015	1.199	9.59
74) C	Fluoranthene		1.131	0.985	0.937	0.835	0.948	0.837	0.945	11.60
-----ISTD-----										
75) I	Chrysene-d12									
76)	Benzidine	0.447	0.398	0.509	0.657	0.635	0.606	0.567	0.546	17.92
77)	Pyrene	2.095	1.769	1.837	1.816	1.651	1.522	1.386	1.725	13.42
78) S	Terphenyl-d14	1.291	1.058	0.966	1.055	0.930	0.914	0.811	1.004	15.22
79)	Butylbenzylphth...	0.728	0.685	0.735	0.810	0.745	0.705	0.630	0.720	7.73
80)	Benzo(a)anthra...	1.524	1.335	1.321	1.412	1.366	1.311	1.182	1.350	7.73
81)	3,3'-Dichlorob...	0.456	0.406	0.423	0.472	0.477	0.459	0.433	0.447	5.91
82)	Chrysene	1.392	1.215	1.297	1.343	1.292	1.159	1.074	1.253	8.81

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83)	Bis(2-ethylhex...	1.027	0.950	0.964	1.145	1.025	1.011	0.886	1.001	8.08
84) c	Di-n-octyl pht...	1.644	1.622	1.734	1.830	1.793	1.743	1.617	1.712	4.98
85)	Indeno(1,2,3-c...	1.576	1.450	1.712	1.584	1.745	1.637	1.734	1.634	6.51
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.380	1.160	1.068	1.272	1.146	1.091	0.989	1.158	11.33
88)	Benzo(k)fluora...	1.274	1.134	1.135	0.915	0.890	0.981	0.930	1.037	14.00
89) C	Benzo(a)pyrene	1.272	1.141	1.135	1.114	1.053	1.082	0.968	1.109	8.39
90)	Dibenzo(a,h)an...	1.247	1.132	1.167	1.143	1.090	1.082	1.012	1.125	6.59
91)	Benzo(g,h,i)pe...	1.301	1.160	1.211	1.191	1.145	1.136	1.105	1.178	5.47

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(#) = Out of Range