

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF071618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 17 11:29:08 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF107401.D 10 =BF107402.D 25 =BF107403.D 40 =BF107437.D 50 =BF107405.D 60 =BF107406.D 80 =BF107407.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.703	0.702	0.669	0.615	0.633	0.641	0.588	0.650	6.70
3)	Pyridine	1.891	1.874	1.741	1.664	1.674	1.736	1.694	1.754	5.31
4)	n-Nitrosodimet...	0.670	0.756	0.708	0.705	0.696	0.771	0.734	0.720	4.89
5) S	2-Fluorophenol	1.412	1.565	1.375	1.237	1.220	1.247	1.162	1.317	10.68
6)	Aniline	2.203	2.471	2.336	2.173	2.189	2.255	2.127	2.251	5.24
7) S	Phenol-d6	1.918	2.018	1.724	1.600	1.593	1.594	1.472	1.703	11.60
8)	2-Chlorophenol	1.491	1.549	1.328	1.285	1.243	1.264	1.161	1.332	10.46
9)	Benzaldehyde	1.511	1.522	1.419	1.317	1.285	1.340	1.193	1.370	8.82
10) C	Phenol	2.003	2.168	1.933	1.732	1.662	1.690	1.590	1.825	11.62
11)	bis(2-Chloroet...	1.601	1.799	1.508	1.385	1.365	1.437	1.331	1.490	11.06
12)	1,3-Dichlorobe...	1.896	1.877	1.671	1.478	1.526	1.491	1.378	1.617	12.60
13) C	1,4-Dichlorobe...	1.695	1.925	1.633	1.554	1.507	1.513	1.392	1.603	10.72
14)	1,2-Dichlorobe...	1.785	1.826	1.543	1.391	1.342	1.381	1.230	1.500	15.23
15)	Benzyl Alcohol	1.670	1.952	1.739	1.656	1.692	1.702	1.558	1.710	7.06
16)	2,2'-oxybis(1-...	1.554	1.774	1.588	1.559	1.518	1.613	1.522	1.590	5.53
17)	2-Methylphenol	1.419	1.441	1.265	1.200	1.183	1.220	1.136	1.266	9.38
18)	Hexachloroethane	0.603	0.659	0.603	0.578	0.570	0.606	0.555	0.596	5.68
19) P	n-Nitroso-di-n...	1.255	1.416	1.178	1.203	1.156	1.202	1.123	1.219	7.90
20)	3+4-Methylphenols	1.829	1.941	1.693	1.533	1.472	1.475	1.315	1.608	13.77
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.636	0.682	0.565	0.526	0.526	0.469	0.442	0.550	15.68
23) S	Nitrobenzene-d5	0.272	0.401	0.378	0.405	0.401	0.392	0.375	0.375	12.52
24)	Nitrobenzene	0.327	0.460	0.441	0.450	0.447	0.421	0.405	0.421	10.84
25)	Isophorone	0.808	0.868	0.714	0.731	0.716	0.691	0.676	0.743	9.33
26) C	2-Nitrophenol	0.103	0.130	0.154	0.155	0.159	0.158	0.143	0.143	15.61
27)	2,4-Dimethylph...	0.309	0.359	0.294	0.290	0.297	0.276	0.267	0.299	9.97
28)	bis(2-Chloroet...	0.532	0.548	0.462	0.454	0.448	0.416	0.399	0.466	11.94
29) C	2,4-Dichloroph...	0.328	0.334	0.322	0.307	0.313	0.297	0.276	0.311	6.44
30)	1,2,4-Trichlor...	0.434	0.467	0.386	0.363	0.360	0.324	0.302	0.377	15.47
31)	Naphthalene	1.116	1.179	0.980	0.937	0.921	0.868	0.799	0.971	13.81
32)	Benzoic acid	0.150	0.176	0.182	0.203	0.198	0.191	0.183	0.183	10.36
33)	4-Chloroaniline	0.447	0.515	0.415	0.418	0.408	0.388	0.354	0.421	12.00
34) C	Hexachlorobuta...	0.286	0.302	0.255	0.251	0.240	0.221	0.208	0.252	13.30
35)	Caprolactam	0.105	0.099	0.104	0.103	0.091	0.104	0.101	0.101	5.24
36) C	4-Chloro-3-met...	0.410	0.467	0.416	0.407	0.410	0.369	0.365	0.406	8.36
37)	2-Methylnaphth...	0.738	0.770	0.634	0.630	0.602	0.577	0.530	0.640	13.38

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.895	1.024	0.790	0.719	0.693	0.696	0.632	0.778	17.63
40) P	Hexachlorocycl...	0.349	0.472	0.420	0.407	0.397	0.406	0.394	0.406	9.01
41) S	2,4,6-Tribromo...	0.190	0.232	0.180	0.166	0.162	0.150	0.150	0.176	16.43
42) C	2,4,6-Trichlor...	0.494	0.592	0.491	0.465	0.464	0.454	0.440	0.486	10.42
43)	2,4,5-Trichlor...	0.320	0.568	0.513	0.466	0.466	0.476	0.445	0.465	16.29
44) S	2-Fluorobiphenyl	1.782	1.849	1.406	1.227	1.209	1.189	1.081	1.392	21.93
45)	1,1'-Biphenyl	2.145	2.184	1.675	1.572	1.530	1.550	1.449	1.729	17.64
46)	2-Chloronaphth...	1.440	1.739	1.423	1.257	1.260	1.253	1.189	1.366	13.86
47)	2-Nitroaniline		0.313	0.389	0.422	0.450	0.466	0.468	0.418	14.17
48)	Acenaphthylene	2.014	2.398	2.000	1.794	1.738	1.759	1.639	1.906	13.49
49)	Dimethylphthalate	1.671	1.970	1.628	1.490	1.503	1.463	1.399	1.589	12.13
50)	2,6-Dinitrotol...		0.278	0.289	0.303	0.321	0.323	0.305	0.303	5.80
51) C	Acenaphthene	1.446	1.543	1.254	1.163	1.170	1.158	1.111	1.264	13.12
52)	3-Nitroaniline		0.337	0.304	0.297	0.330	0.316	0.328	0.319	4.92
53) P	2,4-Dinitrophenol		0.057	0.090	0.105	0.116	0.125	0.149	0.107	29.46
54)	Dibenzofuran	2.362	2.458	2.022	1.758	1.749	1.721	1.598	1.953	17.32
55) P	4-Nitrophenol		0.258	0.245	0.252	0.264	0.253	0.275	0.258	4.13
56)	2,4-Dinitrotol...		0.349	0.385	0.393	0.401	0.408	0.436	0.395	7.25
57)	Fluorene	1.499	1.688	1.334	1.164	1.168	1.145	1.055	1.293	17.60
58)	2,3,4,6-Tetrac...	0.521	0.560	0.477	0.412	0.409	0.403	0.371	0.450	15.56
59)	Diethylphthalate	1.632	1.885	1.599	1.455	1.461	1.410	1.365	1.544	11.58
60)	4-Chlorophenyl...		1.022	0.832	0.723	0.714	0.693	0.638	0.770	17.99
61)	4-Nitroaniline		0.280	0.319	0.299	0.309	0.302	0.310	0.303	4.37
62)	Azobenzene	1.962	2.190	1.874	1.723	1.673	1.680	1.589	1.813	11.57
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.057	0.079	0.099	0.109	0.112	0.116	0.095	24.28
65) c	n-Nitrosodiphe...	0.737	0.738	0.646	0.616	0.568	0.588	0.529	0.632	12.82
66)	4-Bromophenyl-...	0.250	0.291	0.235	0.225	0.203	0.210	0.187	0.229	15.05
67)	Hexachlorobenzene	0.249	0.252	0.215	0.205	0.191	0.196	0.175	0.212	13.79
68)	Atrazine	0.282	0.280	0.243	0.232	0.213	0.222	0.199	0.239	13.48
69) C	Pentachlorophenol	0.142	0.170	0.162	0.169	0.157	0.155	0.142	0.157	7.34
70)	Phenanthrene	1.167	1.261	1.012	0.960	0.884	0.884	0.808	0.997	16.46
71)	Anthracene	1.148	1.201	1.020	0.957	0.918	0.894	0.811	0.993	14.14
72)	Carbazole	1.113	1.157	0.969	0.906	0.843	0.821	0.771	0.940	15.74
73)	Di-n-butylphth...	1.166	1.325	1.105	1.061	1.002	0.993	0.909	1.080	12.61
74) C	Fluoranthene	1.402	1.423	1.179	1.081	0.999	0.958	0.888	1.133	18.71
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.757	0.896	0.774	0.771	0.770	0.767	0.698	0.776	7.61
77)	Pvrene	1.440	1.547	1.283	1.338	1.266	1.397	1.249	1.360	7.96
78) S	Terphenyl-d14	0.986	0.998	0.751	0.719	0.714	0.788	0.679	0.805	16.41
79)	Butylbenzylphth...	0.332	0.502	0.505	0.518	0.523	0.553	0.534	0.495	14.93
80)	Benzo(a)anthra...	1.402	1.420	1.187	1.169	1.151	1.161	1.075	1.224	10.87
81)	3,3'-Dichlorob...	0.429	0.482	0.426	0.399	0.395	0.393	0.349	0.410	10.04
82)	Chrysene	1.326	1.404	1.157	1.135	1.081	1.090	0.991	1.169	12.42

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83)	Bis(2-ethylhex...	0.661	0.788	0.701	0.701	0.694	0.746	0.678	0.710	6.07
84) c	Di-n-octyl pht...	0.982	1.194	1.117	1.092	1.130	1.107	1.103	1.104	5.74
85)	Indeno(1,2,3-c...	1.018	0.904	0.793	0.728	0.714	0.869	0.798	0.832	12.84
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.207	1.349	1.149	1.143	1.170	1.119	1.057	1.171	7.79
88)	Benzo(k)fluora...	1.199	1.396	1.116	1.165	1.098	1.026	0.996	1.142	11.62
89) C	Benzo(a)pyrene	1.134	1.244	1.050	1.076	1.038	1.002	0.977	1.074	8.41
90)	Dibenzo(a,h)an...	0.862	0.908	0.734	0.787	0.760	0.852	0.773	0.811	7.83
91)	Benzo(g,h,i)pe...	0.916	0.888	0.742	0.741	0.760	0.885	0.836	0.824	9.16

(#) = Out of Range