

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF061118.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jun 11 15:00:22 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF106286.D 10 =BF106287.D 25 =BF106288.D 40 =BF106289.D 50 =BF106290.D 60 =BF106291.D 80 =BF106292.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.647	0.636	0.617	0.592	0.608	0.601	0.580	0.612	3.89
3)	Pyridine	1.746	1.768	1.730	1.630	1.681	1.701	1.673	1.704	2.79
4)	n-Nitrosodimet...	0.743	0.780	0.813	0.778	0.790	0.793	0.768	0.781	2.83
5) S	2-Fluorophenol	1.303	1.296	1.238	1.138	1.133	1.112	1.052	1.182	8.24
6)	Aniline	2.251	2.276	2.214	2.100	2.131	2.180	2.109	2.180	3.20
7) S	Phenol-d6	1.631	1.632	1.570	1.432	1.439	1.422	1.324	1.493	7.96
8)	2-Chlorophenol	1.348	1.370	1.339	1.231	1.245	1.227	1.136	1.271	6.64
9)	Benzaldehyde	1.377	1.344	1.243	1.071	1.056	0.975	0.861	1.132	17.11
10) C	Phenol	1.787	1.799	1.710	1.552	1.561	1.539	1.461	1.630	8.21
11)	bis(2-Chloroet...	1.518	1.529	1.459	1.341	1.344	1.337	1.239	1.395	7.77
12)	1,3-Dichlorobe...	1.647	1.649	1.572	1.445	1.435	1.421	1.301	1.496	8.73
13) C	1,4-Dichlorobe...	1.682	1.675	1.602	1.464	1.460	1.423	1.319	1.518	9.05
14)	1,2-Dichlorobe...	1.656	1.615	1.521	1.381	1.362	1.300	1.167	1.429	12.36
15)	Benzyl Alcohol	1.310	1.391	1.352	1.266	1.253	1.236	1.142	1.279	6.43
16)	2,2'-oxybis(1-...	2.116	2.149	2.083	1.955	1.962	1.919	1.816	2.000	6.00
17)	2-Methylphenol	1.102	1.212	1.184	1.105	1.117	1.129	1.086	1.134	4.12
18)	Hexachloroethane	0.583	0.568	0.561	0.535	0.528	0.519	0.491	0.541	5.90
19) P	n-Nitroso-di-n...	1.288	1.276	1.153	1.057	1.043	1.038	0.986	1.120	10.84
20)	3+4-Methylphenols	1.550	1.628	1.551	1.406	1.403	1.369	1.243	1.450	9.14
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.600	0.585	0.532	0.482	0.468	0.449	0.411	0.504	14.05
23) S	Nitrobenzene-d5	0.322	0.365	0.366	0.341	0.341	0.332	0.312	0.340	5.90
24)	Nitrobenzene	0.370	0.408	0.395	0.371	0.368	0.348	0.327	0.370	7.32
25)	Isophorone	0.713	0.724	0.676	0.639	0.644	0.636	0.616	0.664	6.21
26) C	2-Nitrophenol		0.114	0.138	0.146	0.153	0.156	0.154	0.143	11.15
27)	2,4-Dimethylph...	0.273	0.299	0.294	0.278	0.283	0.276	0.264	0.281	4.30
28)	bis(2-Chloroet...	0.476	0.488	0.452	0.417	0.412	0.398	0.371	0.431	9.90
29) C	2,4-Dichloroph...	0.259	0.279	0.280	0.272	0.277	0.271	0.260	0.271	3.19
30)	1,2,4-Trichlor...	0.329	0.335	0.316	0.300	0.296	0.286	0.266	0.304	8.08
31)	Naphthalene	1.115	1.076	0.970	0.861	0.831	0.784	0.692	0.904	17.20
32)	Benzoic acid		0.122	0.165	0.186	0.204	0.218	0.226	0.187	20.72
33)	4-Chloroaniline	0.434	0.447	0.422	0.394	0.391	0.371	0.345	0.401	8.96
34) C	Hexachlorobuta...	0.214	0.216	0.201	0.191	0.191	0.182	0.173	0.195	8.12
35)	Caprolactam		0.093	0.091	0.091	0.092	0.094	0.089	0.092	1.94
36) C	4-Chloro-3-met...	0.306	0.318	0.312	0.293	0.297	0.296	0.278	0.300	4.40
37)	2-Methylnaphth...	0.726	0.715	0.652	0.588	0.577	0.556	0.497	0.616	13.83

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.720	0.714	0.698	0.634	0.620	0.608	0.550	0.649	9.76
40) P	Hexachlorocycl...	0.282	0.334	0.383	0.379	0.388	0.376	0.366	0.358	10.64
41) S	2,4,6-Tribromo...	0.144	0.184	0.202	0.203	0.211	0.209	0.194	0.192	12.05
42) C	2,4,6-Trichlor...	0.364	0.416	0.435	0.419	0.428	0.429	0.405	0.414	5.78
43)	2,4,5-Trichlor...	0.393	0.457	0.481	0.455	0.458	0.450	0.429	0.446	6.26
44) S	2-Fluorobiphenyl	1.617	1.371	1.139	1.059	0.987	0.865	1.173		23.51
45)	1,1'-Biphenyl	1.891	1.838	1.692	1.472	1.400	1.354	1.195	1.549	16.92
46)	2-Chloronaphth...	1.454	1.393	1.342	1.180	1.159	1.126	1.023	1.240	12.75
47)	2-Nitroaniline	0.247	0.383	0.426	0.417	0.424	0.430	0.404	0.390	16.73
48)	Acenaphthylene	2.203	2.254	2.088	1.812	1.742	1.679	1.504	1.898	15.07
49)	Dimethylphthalate	1.632	1.610	1.508	1.360	1.344	1.333	1.215	1.429	10.95
50)	2,6-Dinitrotol...	0.219	0.294	0.314	0.302	0.306	0.313	0.295	0.292	11.33
51) C	Acenaphthene	1.442	1.383	1.301	1.160	1.148	1.122	1.021	1.225	12.49
52)	3-Nitroaniline	0.266	0.355	0.370	0.355	0.364	0.367	0.349	0.346	10.47
53) P	2,4-Dinitrophenol	0.059	0.091	0.108	0.121	0.132	0.136	0.108		26.78
54)	Dibenzofuran	1.993	1.944	1.794	1.574	1.503	1.454	1.289	1.650	16.05
55) P	4-Nitrophenol	0.187	0.256	0.284	0.273	0.283	0.291	0.285	0.266	13.77
56)	2,4-Dinitrotol...	0.229	0.357	0.391	0.387	0.408	0.406	0.387	0.367	17.16
57)	Fluorene	1.643	1.545	1.419	1.229	1.184	1.139	0.993	1.307	17.94
58)	2,3,4,6-Tetrac...	0.306	0.359	0.371	0.357	0.363	0.369	0.350	0.354	6.26
59)	Diethylphthalate	1.627	1.639	1.504	1.380	1.330	1.285	1.163	1.418	12.61
60)	4-Chlorophenyl...	0.819	0.803	0.741	0.655	0.638	0.617	0.541	0.688	14.95
61)	4-Nitroaniline	0.266	0.336	0.359	0.343	0.355	0.359	0.341	0.337	9.63
62)	Azobenzene	1.794	1.757	1.595	1.405	1.353	1.298	1.150	1.479	16.40
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.061	0.090	0.098	0.109	0.114	0.114	0.098		20.74
65) c	n-Nitrosodiphe...	0.765	0.776	0.734	0.641	0.640	0.601	0.547	0.672	13.02
66)	4-Bromophenyl-...	0.229	0.242	0.243	0.224	0.228	0.218	0.209	0.227	5.29
67)	Hexachlorobenzene	0.240	0.246	0.246	0.229	0.234	0.227	0.219	0.235	4.32
68)	Atrazine	0.192	0.223	0.223	0.201	0.214	0.204	0.193	0.207	6.33
69) C	Pentachlorophenol	0.097	0.133	0.153	0.152	0.161	0.159	0.156	0.144	15.91
70)	Phenanthrene	1.224	1.176	1.079	0.906	0.900	0.825	0.746	0.979	18.55
71)	Anthracene	1.179	1.184	1.098	0.921	0.903	0.843	0.741	0.981	17.65
72)	Carbazole	1.071	1.054	0.995	0.850	0.848	0.798	0.725	0.906	14.82
73)	Di-n-butylphth...	1.070	1.267	1.150	0.979	0.952	0.864	0.776	1.008	16.67
74) C	Fluoranthene	1.199	1.260	1.173	0.978	0.972	0.910	0.819	1.045	15.90
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.669	0.775	0.713	0.658	0.650	0.654	0.541	0.666	10.66
77)	Pvrene	1.393	1.415	1.323	1.214	1.211	1.149	1.059	1.252	10.43
78) S	Terphenyl-d14	1.024	0.993	0.844	0.753	0.733	0.676	0.613	0.805	19.36
79)	Butylbenzylphth...	0.265	0.459	0.504	0.519	0.531	0.511	0.492	0.469	19.78
80)	Benzo(a)anthra...	1.316	1.337	1.264	1.158	1.142	1.092	1.022	1.190	9.96
81)	3,3'-Dichlorob...	0.351	0.445	0.452	0.417	0.406	0.387	0.352	0.402	10.11
82)	Chrysene	1.253	1.242	1.144	1.054	1.034	0.978	0.902	1.087	12.17

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83)	Bis(2-ethylhex...	0.521	0.733	0.748	0.720	0.714	0.659	0.610	0.672	12.18
84) c	Di-n-octyl pht...	0.624	1.046	1.107	1.048	1.036	0.992	0.928	0.969	16.67
85)	Indeno(1,2,3-c...	0.790	0.839	0.842	0.858	0.921	0.910	0.910	0.867	5.58
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.128	1.282	1.295	1.188	1.218	1.165	1.188	1.209	5.03
88)	Benzo(k)fluora...	1.191	1.257	1.307	1.205	1.191	1.180	1.050	1.197	6.62
89) C	Benzo(a)pyrene	0.997	1.104	1.144	1.096	1.119	1.099	1.053	1.087	4.45
90)	Dibenzo(a,h)an...	0.756	0.852	0.910	0.937	1.000	0.945	0.948	0.907	8.84
91)	Benzo(g,h,i)pe...	0.779	0.780	0.853	0.901	0.968	0.927	0.961	0.881	9.00

(#) = Out of Range