Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
Method File : 8270-BF083018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 30 15:06:55 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BF108632.D 10 =BF108633.D 25 =BF108634.D 40 =BF108635.D 50 =BF108636.D 60 =BF108637.D 80 =BF108638.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.617	0.571	0.522	0.520	0.491	0.513	0.512	0.535	8.13
3)		Pyridine		1.242	1.278	1.218	1.251	1.202	1.226	1.236	2.17
4)		n-Nitrosodimet...		0.699	0.555	0.626	0.650	0.574	0.595	0.617	8.61
5)	S	2-Fluorophenol	1.238	1.215	1.046	1.143	1.106	1.169	1.142	1.151	5.61
6)		Aniline		1.694	1.748	1.837	1.815	1.841	1.742	1.779	3.37
7)	S	Phenol-d6	1.848	1.707	1.602	1.645	1.614	1.592	1.533	1.649	6.22
8)		2-Chlorophenol	1.310	1.558	1.418	1.439	1.413	1.390	1.326	1.408	5.81
9)		Benzaldehyde		1.168	1.094	1.015	0.955	0.864		1.019	11.61
10)	C	Phenol	1.929	2.021	1.888	1.941	1.959	1.893	1.829	1.923	3.16
11)		bis(2-Chloroet...		2.073	1.614	1.711	1.643	1.595	1.522	1.693	11.58
12)		1,3-Dichlorobe...	1.589	1.789	1.604	1.655	1.620	1.609	1.559	1.632	4.60
13)	C	1,4-Dichlorobe...	1.755	1.947	1.764	1.797	1.783	1.751	1.674	1.782	4.65
14)		1,2-Dichlorobe...	1.804	1.787	1.644	1.600	1.604	1.554	1.462	1.636	7.50
15)		Benzyl Alcohol		1.142	1.157	1.222	1.221	1.205	1.170	1.186	2.91
16)		2,2'-oxybis(1-...	2.757	2.955	2.604	2.604	2.523	2.435	2.304	2.598	8.19
17)		2-Methylphenol	0.829	1.180	1.120	1.158	1.159	1.127	1.089	1.094	11.06
18)		Hexachloroethane	0.622	0.691	0.606	0.609	0.600	0.590	0.570	0.613	6.22
19)	P	n-Nitroso-di-n...	1.015	1.215	1.122	1.139	1.110	1.082	1.047	1.104	5.91
20)		3+4-Methylphenols	1.001	1.403	1.480	1.490	1.501	1.433	1.292	1.371	13.01
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.494	0.559	0.499	0.498	0.494	0.484	0.467	0.499	5.69
23)	S	Nitrobenzene-d5	0.382	0.443	0.397	0.394	0.387	0.384	0.371	0.394	5.89
24)		Nitrobenzene	0.331	0.463	0.403	0.409	0.403	0.401	0.387	0.400	9.70
25)		Isophorone	0.588	0.725	0.660	0.654	0.653	0.659	0.644	0.655	6.11
26)	C	2-Nitrophenol	0.146	0.197	0.187	0.186	0.188	0.184	0.179	0.181	8.95
27)		2,4-Dimethylph...	0.299	0.266	0.252	0.258	0.259	0.257	0.249	0.263	6.46
28)		bis(2-Chloroet...	0.404	0.453	0.410	0.415	0.412	0.408	0.392	0.413	4.56
29)	C	2,4-Dichloroph...	0.288	0.342	0.309	0.315	0.315	0.312	0.303	0.312	5.20
30)		1,2,4-Trichlor...	0.340	0.390	0.350	0.349	0.346	0.339	0.329	0.349	5.55
31)		Naphthalene	0.962	1.072	0.952	0.949	0.933	0.922	0.878	0.953	6.26
32)		Benzoic acid		0.163	0.165	0.170	0.181	0.171	0.163	0.169	4.09
33)		4-Chloroaniline	0.407	0.466	0.427	0.420	0.420	0.414	0.390	0.421	5.53
34)	C	Hexachlorobuta...	0.231	0.253	0.228	0.229	0.226	0.223	0.214	0.229	5.23
35)		Caprolactam		0.092	0.085	0.085	0.086	0.082	0.069	0.083	9.39
36)	C	4-Chloro-3-met...	0.316	0.367	0.335	0.338	0.337	0.331	0.320	0.335	4.88
37)		2-Methylnaphth...	0.615	0.739	0.653	0.644	0.638	0.626	0.597	0.645	7.05

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.692	0.794	0.713	0.712	0.703	0.690	0.667	0.710	5.66
40)	P	Hexachlorocycl...		0.164	0.216	0.262	0.273	0.292	0.302	0.251	20.82
41)	S	2,4,6-Tribromo...	0.251	0.301	0.267	0.264	0.259	0.258	0.248	0.264	6.62
42)	C	2,4,6-Trichlor...	0.345	0.439	0.433	0.438	0.427	0.441	0.421	0.420	8.06
43)		2,4,5-Trichlor...	0.529	0.539	0.485	0.485	0.486	0.463	0.446	0.490	6.81
44)	S	2-Fluorobiphenyl	1.630	1.768	1.514	1.453	1.407	1.363	1.277	1.487	11.23
45)		1,1'-Biphenyl	1.799	1.981	1.761	1.725	1.695	1.654	1.572	1.741	7.41
46)		2-Chloronaphth...	1.388	1.545	1.369	1.356	1.322	1.312	1.250	1.363	6.74
47)		2-Nitroaniline	0.426	0.502	0.458	0.462	0.453	0.456	0.435	0.456	5.27
48)		Acenaphthylene	2.091	2.300	2.032	1.988	1.916	1.874	1.768	1.996	8.58
49)		Dimethylphthalate	1.557	1.764	1.585	1.560	1.543	1.528	1.488	1.575	5.63
50)		2,6-Dinitrotol...	0.317	0.394	0.354	0.351	0.347	0.341	0.326	0.347	7.15
51)	C	Acenaphthene	1.277	1.362	1.176	1.155	1.152	1.134	1.096	1.193	7.78
52)		3-Nitroaniline	0.341	0.436	0.379	0.378	0.374	0.366	0.355	0.376	7.96
53)	P	2,4-Dinitrophenol		0.088	0.109	0.122	0.126	0.131	0.132	0.118	14.15
54)		Dibenzofuran	1.974	2.179	1.905	1.846	1.788	1.744	1.633	1.867	9.45
55)	P	4-Nitrophenol		0.145	0.188	0.236	0.232	0.231		0.207	19.04
56)		2,4-Dinitrotol...	0.449	0.530	0.479	0.459	0.451	0.438	0.412	0.460	8.05
57)		Fluorene	1.508	1.678	1.458	1.427	1.397	1.369	1.292	1.447	8.48
58)		2,3,4,6-Tetrac...	0.470	0.484	0.439	0.445	0.423	0.428	0.385	0.439	7.37
59)		Diethylphthalate	1.660	1.815	1.596	1.564	1.530	1.510	1.432	1.587	7.76
60)		4-Chlorophenyl...	0.861	0.947	0.824	0.809	0.790	0.779	0.737	0.821	8.22
61)		4-Nitroaniline	0.369	0.425	0.369	0.360	0.349	0.349	0.324	0.363	8.54
62)		Azobenzene	1.682	1.831	1.573	1.544	1.515	1.489	1.406	1.577	8.87
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...		0.082	0.083	0.090	0.091	0.093	0.093	0.089	5.76
65)	c	n-Nitrosodiphe...	0.684	0.755	0.668	0.656	0.640	0.631	0.617	0.664	6.89
66)		4-Bromophenyl-...	0.242	0.273	0.247	0.246	0.241	0.239	0.233	0.246	5.15
67)		Hexachlorobenzene	0.262	0.295	0.264	0.260	0.259	0.261	0.253	0.265	5.12
68)		Atrazine		0.249	0.213	0.192	0.179	0.157	0.125	0.186	23.22
69)	C	Pentachlorophenol	0.103	0.139	0.146	0.151	0.153	0.150	0.143	0.141	12.20
70)		Phenanthrene	1.059	1.164	1.022	0.999	0.971	0.945	0.907	1.010	8.36
71)		Anthracene	1.118	1.244	1.067	1.047	1.020	0.994	0.936	1.061	9.34
72)		Carbazole	1.096	1.194	1.039	1.011	0.985	0.954	0.900	1.026	9.44
73)		Di-n-butylphth...	1.314	1.378	1.190	1.155	1.120	1.083	1.020	1.180	10.75
74)	C	Fluoranthene	1.260	1.366	1.151	1.113	1.076	1.030	0.960	1.136	12.17
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.541	0.703	0.556	0.580	0.538	0.462		0.563	14.06
77)		Pyrene	1.410	1.581	1.461	1.500	1.491	1.532	1.549	1.503	3.81
78)	S	Terphenyl-d14	1.033	1.134	1.014	1.014	0.989	1.020	1.002	1.029	4.67
79)		Butylbenzylpht...	0.595	0.669	0.622	0.627	0.634	0.640	0.638	0.632	3.47
80)		Benzo(a)anthra...	1.263	1.372	1.203	1.190	1.182	1.172	1.153	1.219	6.22
81)		3,3'-Dichlorob...	0.483	0.543	0.469	0.446	0.419	0.383	0.353	0.442	14.47
82)		Chrysene	1.214	1.336	1.160	1.160	1.144	1.115	1.078	1.173	7.12

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83)		Bis(2-ethylhex...	0.805	0.890	0.785	0.804	0.806	0.799	0.799	0.813	4.31
84)	c	Di-n-octyl pht...	1.272	1.351	1.164	1.175	1.159	1.136	1.106	1.195	7.20
85)		Indeno(1,2,3-c...	0.898	0.819	0.703	0.780	0.806	0.831	0.869	0.815	7.73
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.119	1.420	1.233	1.280	1.251	1.196	1.100	1.229	8.76
88)		Benzo(k)fluora...	1.304	1.349	1.226	1.176	1.160	1.156	1.149	1.217	6.57
89)	C	Benzo(a)pyrene	1.106	1.240	1.088	1.109	1.100	1.075	1.055	1.110	5.41
90)		Dibenzo(a,h)an...	0.835	0.870	0.812	0.910	0.922	0.928	0.931	0.887	5.46
91)		Benzo(g,h,i)pe...	0.796	0.804	0.783	0.899	0.910	0.916	0.924	0.862	7.37

(#) = Out of Range