Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 10 01:15:27 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BF111222.D 10 =BF111223.D 25 =BF111224.D
40 =BF111225.D 50 =BF111226.D 60 =BF111227.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.674	0.700	0.651	0.633	0.672	0.628	0.650	5.49
3)		Pyridine	1.709	1.826	1.691	1.691	1.805	1.722	1.726	3.81
4)		n-Nitrosodimethyl	0.691	0.753	0.725	0.723	0.799	0.736	0.736	4.51
5)	S	2-Fluorophenol	1.470	1.460	1.254	1.246	1.210	1.149	1.267	11.73
6)		Aniline	2.109	2.312	2.057	2.123	2.096	2.057	2.099	5.37
7)	S	Phenol-d6	1.734	1.716	1.637	1.581	1.505	1.470	1.574	8.42
8)		2-Chlorophenol	1.576	1.578	1.496	1.438	1.381	1.349	1.440	8.28
9)		Benzaldehyde	1.277	1.251	1.037	0.927	0.844	0.803	0.977	22.75
10)	C	Phenol	2.076	2.022	1.896	1.835	1.741	1.709	1.840	9.26
11)		bis(2-Chloroethyl	1.579	1.521	1.367	1.435	1.386	1.382	1.423	6.85
12)		1,3-Dichlorobenze	1.738	1.652	1.614	1.518	1.520	1.433	1.547	8.53
13)	C	1,4-Dichlorobenze	1.766	1.692	1.632	1.554	1.503	1.441	1.562	9.35
14)		1,2-Dichlorobenze	1.632	1.777	1.521	1.417	1.373	1.290	1.457	13.90
15)		Benzyl Alcohol	1.315	1.451	1.272	1.228	1.202	1.162	1.246	9.38
16)		2,2'-oxybis(1-Chl	2.671	3.134	2.615	2.670	2.634	2.557	2.665	8.65
17)		2-Methylphenol	1.151	1.356	1.126	1.185	1.163	1.145	1.175	7.13
18)		Hexachloroethane	0.609	0.683	0.609	0.589	0.581	0.565	0.595	8.03
19)	P	n-Nitroso-di-n-pr	1.139	1.238	1.010	1.022	0.999	1.011	1.054	9.26
20)		3+4-Methylphenols	1.609	1.734	1.393	1.350	1.302	1.254	1.398	14.74
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.510	0.528	0.481	0.446	0.436	0.412	0.458	11.04
23)	S	Nitrobenzene-d5	0.372	0.386	0.396	0.353	0.339	0.333	0.357	8.11
24)		Nitrobenzene	0.381	0.396	0.417	0.375	0.346	0.355	0.371	8.29
25)		Isophorone	0.602	0.647	0.653	0.603	0.574	0.596	0.607	5.23
26)	C	2-Nitrophenol	0.159	0.192	0.197	0.193	0.186	0.185	0.184	6.91
27)		2,4-Dimethylpheno	0.300	0.311	0.309	0.283	0.267	0.267	0.285	7.70
28)		bis(2-Chloroethox	0.461	0.464	0.439	0.414	0.399	0.395	0.421	8.28
29)	C	2,4-Dichloropheno	0.307	0.313	0.315	0.285	0.286	0.273	0.291	7.25
30)		1,2,4-Trichlorobe	0.318	0.313	0.291	0.287	0.277	0.269	0.287	7.98
31)		Naphthalene		1.065	0.968	0.884	0.834	0.781	0.873	14.84
32)		Benzoic acid	0.172	0.240	0.265	0.258	0.241	0.233	0.236	12.77
33)		4-Chloroaniline	0.459	0.453	0.420	0.415	0.396	0.400	0.419	6.52
34)	C	Hexachlorobutadie	0.174	0.169	0.172	0.156	0.154	0.147	0.158	8.65
35)		Caprolactam	0.112	0.099	0.105	0.103	0.100	0.102	0.103	4.47
36)	C	4-Chloro-3-methyl	0.339	0.280	0.314	0.302	0.288	0.290	0.298	7.50
37)		2-Methylnaphthale	0.702	0.577	0.636	0.578	0.555	0.526	0.580	12.39
38)		1-Methylnaphthale	0.682	0.606	0.633	0.556	0.528	0.506	0.568	13.56
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.645	0.669	0.575	0.526	0.541	0.490	0.557	14.30
41)	P	Hexachlorocyclope	0.313	0.357	0.325	0.315	0.329	0.299	0.317	7.70
42)	S	2,4,6-Tribromophe	0.206	0.196	0.198	0.173	0.165	0.157	0.177	13.17
43)	C	2,4,6-Trichloroph	0.442	0.465	0.449	0.410	0.408	0.390	0.418	8.70
44)		2,4,5-Trichloroph	0.453	0.513	0.470	0.425	0.409	0.402	0.435	10.77
45)	S	2-Fluorobiphenyl	1.627	1.742	1.406	1.133	1.113	0.971	1.268	25.97
46)		1,1'-Biphenyl	2.027	2.066	1.856	1.593	1.557	1.399	1.681	18.35
47)		2-Chloronaphthale	1.495	1.574	1.381	1.244	1.250	1.153	1.309	14.02
48)		2-Nitroaniline	0.418	0.521	0.439	0.447	0.448	0.436	0.446	7.92
49)		Acenaphthylene		2.302	2.025	1.804	1.761	1.607	1.900	14.22
50)		Dimethylphthalate	1.593	1.816	1.481	1.360	1.339	1.265	1.476	13.76
51)		2,6-Dinitrotoluen	0.313	0.355	0.334	0.328	0.331	0.318	0.326	5.29

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)	C	Acenaphthene	1.387	1.352	1.259	1.161	1.133	1.074	1.192	12.44
53)		3-Nitroaniline	0.380	0.433	0.434	0.407	0.397	0.393	0.402	6.08
54)	P	2,4-Dinitrophenol		0.103	0.123	0.132	0.142	0.139	0.129	10.88
55)		Dibenzofuran		1.907	1.808	1.634	1.638	1.452	1.622	13.88
56)	P	4-Nitrophenol	0.288	0.318	0.341	0.324	0.311	0.314	0.313	5.47
57)		2,4-Dinitrotoluen	0.361	0.399	0.426	0.421	0.412	0.409	0.402	5.75
58)		Fluorene	1.501	1.384	1.358	1.124	1.158	1.005	1.255	14.98
59)		2,3,4,6-Tetrachlo	0.370	0.350	0.337	0.328	0.340	0.306	0.330	9.07
60)		Diethylphthalate		1.746	1.528	1.384	1.375	1.255	1.407	14.84
61)		4-Chlorophenyl-ph	0.710	0.691	0.680	0.564	0.580	0.513	0.623	13.04
62)		4-Nitroaniline	0.369	0.368	0.411	0.386	0.394	0.372	0.381	4.48
63)		Azobenzene	1.703	1.560	1.665	1.426	1.397	1.297	1.461	13.22
64)	I	Phenanthrene-d10	----------	ISTD	----------					
65)		4,6-Dinitro-2-met	0.073	0.078	0.128	0.119	0.119	0.121	0.108	20.66
66)	c	n-Nitrosodiphenyl	0.811	0.593	0.809	0.681	0.659	0.628	0.681	13.91
67)		4-Bromophenyl-phe	0.249	0.219	0.250	0.216	0.207	0.205	0.219	10.50
68)		Hexachlorobenzene	0.247	0.227	0.253	0.221	0.212	0.207	0.223	9.65
69)		Atrazine	0.251	0.232	0.221	0.204	0.192	0.184	0.207	14.32
70)	C	Pentachlorophenol	0.158	0.170	0.175	0.165	0.163	0.155	0.162	6.11
71)		Phenanthrene		1.196	1.104	0.965	0.927	0.852	1.009	13.79
72)		Anthracene	1.244	1.195	1.115	0.978	0.937	0.863	1.055	14.41
73)		Carbazole	1.277	1.261	1.184	1.025	0.957	0.917	1.104	14.24
74)		Di-n-butylphthala	1.139	1.453	1.323	1.168	0.964	0.988	1.134	17.69
75)	C	Fluoranthene	0.951	1.020	1.094	0.978	0.789	0.848	0.922	13.27
76)	I	Chrysene-d12	----------	ISTD	----------					
77)		Benzidine	0.569	0.535	0.709	0.623	0.606	0.583	0.594	10.26
78)		Pyrene	1.239	1.188	1.579	1.445	1.747	1.446	1.429	13.49
79)	S	Terphenyl-d14	0.825	0.758	0.931	0.820	0.987	0.778	0.834	11.11
80)		Butylbenzylphthal	0.682	0.577	0.845	0.749	0.894	0.758	0.747	13.96
81)		Benzo(a)anthracen	1.230	1.222	1.173	1.100	1.085	1.021	1.116	8.70
82)		3,3'-Dichlorobenz	0.531	0.479	0.501	0.467	0.428	0.416	0.457	11.52
83)		Chrysene	1.277	1.162	1.239	1.151	1.128	1.084	1.150	7.80
84)		Bis(2-ethylhexyl)	0.944	0.940	0.920	0.876	0.896	0.838	0.887	6.19
85)	c	Di-n-octyl phthal	1.687	1.580	1.483	1.507	1.463	1.394	1.487	8.50
86)		Indeno(1,2,3-cd)p	0.780	1.020	0.818	0.934	0.956	0.990	0.929	10.10
87)	I	Perylene-d12	----------	ISTD	----------					
88)		Benzo(b)fluoranth	1.252	1.224	1.095	1.162	0.905	1.050	1.106	10.76
89)		Benzo(k)fluoranth	1.141	1.161	1.119	1.059	0.870	1.042	1.040	11.38
90)	C	Benzo(a)pyrene	1.133	1.128	1.016	1.041	0.859	1.008	1.019	9.54
91)		Dibenzo(a,h)anthr	0.680	0.894	0.690	0.872	0.737	0.885	0.800	11.81
92)		Benzo(g,h,i)peryl	0.640	0.848	0.664	0.879	0.750	0.922	0.801	14.47

(#) = Out of Range ### Number of calibration levels exceeded format ###