Method Path : Z:\HPCHEM1\BNA F\METHODS\
Method File : 8270-BF112715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Nov 27 18:31:56 2015
Response Via : Initial Calibration

Calibration Files
2.5 =BF083329.D 10 =BF083330.D 25 =BF083331.D
40 =BF083332.D 50 =BF083333.D 60 =BF083334.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.034	0.022	0.003	0.053			0.028	74.86
3)		Pyridine	1.376	1.597	1.841	1.649	1.800	1.925	1.726	11.39
4)		n-Nitrosodimethyl	0.863	0.841	0.798	0.845	0.889	0.888	0.869	5.76
5)	S	2-Fluorophenol	2.896	2.754	2.794	2.733	2.606	2.783	2.742	3.64
6)		Aniline	2.731	2.416	2.484	2.398	2.420	2.408	2.455	5.29
7)	S	Phenol-d6	4.388	3.689	3.471	3.571	3.344	3.337	3.598	10.32
8)		2-Chlorophenol	1.676	1.485	1.509	1.474	1.369	1.412	1.473	7.03
9)		Benzaldehyde	1.250	1.102	1.043	0.869	0.819	0.796	0.941	20.72
10)	C	Phenol	2.459	2.237	2.120	2.158	2.045	1.992	2.172	7.00
11)		bis(2-Chloroethyl	1.867	1.603	1.596	1.534	1.544	1.577	1.605	7.45
12)		1,3-Dichlorobenze	1.814	1.601	1.667	1.633	1.573	1.563	1.621	6.22
13)	C	1,4-Dichlorobenze	1.885	1.703	1.734	1.678	1.660	1.649	1.689	6.60
14)		1,2-Dichlorobenze	1.853	1.649	1.557	1.433	1.481	1.497	1.555	9.89
15)		Benzyl Alcohol	1.485	1.477	1.366	1.424	1.318	1.293	1.388	5.46
16)		2,2'-oxybis(1-Chl	3.176	2.814	2.742	2.686	2.717	2.760	2.783	6.75
17)		2-Methylphenol	1.312	1.158	1.228	1.220	1.170	1.142	1.205	4.74
18)		Hexachloroethane	0.694	0.614	0.599	0.577	0.569	0.579	0.602	7.17
19)	P	n-Nitroso-di-n-pr	1.424	1.249	1.325	1.251	1.230	1.178	1.271	6.32
20)		3+4-Methylphenols	1.822	1.668	1.663	1.603	1.529	1.509	1.629	6.42
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.653	0.586	0.603	0.575	0.556	0.573	0.592	5.26
23)	S	Nitrobenzene-d5	1.007	0.917	0.942	0.884	0.833	0.862	0.905	6.29
24)		Nitrobenzene	0.515	0.485	0.518	0.441	0.503	0.509	0.486	7.26
25)		Isophorone	0.956	0.875	0.871	0.838	0.841	0.842	0.872	4.72
26)	C	2-Nitrophenol	0.202	0.199	0.213	0.191	0.194	0.196	0.201	4.75
27)		2,4-Dimethylpheno	0.341	0.327	0.336	0.336	0.337	0.339	0.334	2.19
28)		bis(2-Chloroethox	0.493	0.474	0.560	0.477	0.455	0.461	0.493	7.87
29)	C	2,4-Dichloropheno	0.320	0.333	0.341	0.301	0.310	0.313	0.319	4.33
30)		1,2,4-Trichlorobe	0.370	0.335	0.360	0.340	0.340	0.354	0.348	3.92
31)		Naphthalene	1.288	1.137	1.159	1.010	0.984	1.014	1.095	9.83
32)		Benzoic acid	0.126	0.121	0.167	0.157	0.190	0.190	0.166	20.30
33)		4-Chloroaniline	0.490	0.442	0.468	0.465	0.464	0.449	0.454	6.08
34)	C	Hexachlorobutadie	0.220	0.199	0.208	0.188	0.191	0.194	0.199	5.57
35)		Caprolactam	0.091	0.086	0.089	0.093	0.099	0.083	0.091	5.68
36)	C	4-Chloro-3-methyl	0.381	0.349	0.363	0.322	0.353	0.346	0.349	5.59
37)		2-Methylnaphthale	0.778	0.695	0.736	0.700	0.704	0.705	0.707	6.14
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.681	0.652	0.663	0.603	0.642	0.635	0.649	3.99
40)	P	Hexachlorocyclope	0.157	0.217	0.285	0.290	0.334	0.345	0.282	25.27
41)	S	2,4,6-Tribromophe	0.377	0.365	0.380	0.366	0.364	0.339	0.370	5.00
42)	C	2,4,6-Trichloroph	0.444	0.429	0.480	0.444	0.451	0.446	0.449	3.40
43)		2,4,5-Trichloroph	0.458	0.428	0.458	0.454	0.470	0.470	0.458	3.22
44)	S	2-Fluorobiphenyl	3.217	2.924	3.181	2.632	2.494	2.486	2.802	10.99
45)		1,1'-Biphenyl	2.032	1.886	1.782	1.582	1.798	1.790	1.770	9.84
46)		2-Chloronaphthale	1.445	1.350	1.481	1.262	1.280	1.267	1.348	6.48
47)		2-Nitroaniline	0.529	0.520	0.512	0.467	0.573	0.516	0.515	6.38
48)		Acenaphthylene	2.308	2.148	2.315	2.056	1.951	1.882	2.103	7.89
49)		Dimethylphthalate	1.658	1.597	1.485	1.534	1.493	1.366	1.514	6.22
50)		2,6-Dinitrotoluen	0.354	0.336	0.321	0.338	0.324	0.324	0.340	6.92
51)	C	Acenaphthene	1.286	1.230	1.337	1.211	1.133	1.110	1.226	6.73

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.386	0.385	0.389	0.355	0.395	0.393	0.390	5.20
53)	P	2,4-Dinitrophenol	0.025	0.054	0.100	0.118	0.159	0.144	0.109	48.27
54)		Dibenzofuran	1.964	1.833	1.949	1.680	1.597	1.540	1.750	9.59
55)	P	4-Nitrophenol	0.125	0.171	0.184	0.213	0.234	0.215	0.199	21.60
56)		2,4-Dinitrotoluen	0.445	0.433	0.396	0.434	0.405	0.385	0.422	6.29
57)		Fluorene	1.676	1.485	1.433	1.414	1.368	1.337	1.417	10.27
58)		2,3,4,6-Tetrachlo	0.366	0.355	0.374	0.342	0.355	0.326	0.356	4.92
59)		Diethylphthalate	1.493	1.514	1.497	1.329	1.568	1.390	1.447	6.47
60)		4-Chlorophenyl-ph	0.734	0.670	0.681	0.635	0.660	0.640	0.657	7.25
61)		4-Nitroaniline	0.375	0.357	0.328	0.354	0.406	0.307	0.359	9.32
62)		Azobenzene	1.971	1.874	1.870	1.674	1.901	1.671	1.818	6.40
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-met	0.048	0.082	0.128	0.116	0.138	0.136	0.114	31.80
65)	c	n-Nitrosodiphenyl	0.761	0.731	0.821	0.676	0.729	0.725	0.726	7.97
66)		4-Bromophenyl-phe	0.238	0.213	0.252	0.231	0.205	0.227	0.226	7.19
67)		Hexachlorobenzene	0.282	0.261	0.260	0.233	0.250	0.247	0.252	6.86
68)		Atrazine	0.230	0.205	0.201	0.206	0.185	0.176	0.200	8.55
69)	C	Pentachlorophenol	0.070	0.084	0.118	0.118	0.133	0.131	0.111	21.94
70)		Phenanthrene	1.344	1.232	1.290	1.171	1.029	1.085	1.178	9.86
71)		Anthracene	1.383	1.313	1.282	1.091	1.181	1.123	1.203	10.44
72)		Carbazole	1.143	1.059	1.027	0.954	1.036	0.961	1.011	7.98
73)		Di-n-butylphthala	1.336	1.243	1.179	1.177	1.264	1.127	1.209	6.19
74)	C	Fluoranthene	1.250	1.215	1.111	1.042	1.035	0.965	1.090	9.79
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine	0.809	0.747	0.737	0.638	0.745	0.564	0.704	11.58
77)		Pyrene	1.829	1.809	1.689	1.535	1.679	1.336	1.652	10.29
78)	S	Terphenyl-d14	2.315	2.244	2.054	1.676	1.989	1.433	1.961	15.83
79)		Butylbenzylphthal	0.611	0.606	0.597	0.538	0.693	0.514	0.615	13.22
80)		Benzo(a)anthracen	1.343	1.244	1.304	1.179	1.296	1.157	1.266	5.88
81)		3,3'-Dichlorobenz	0.357	0.362	0.452	0.405	0.403	0.410	0.399	8.08
82)		Chrysene	1.335	1.213	1.242	1.006	1.262	1.032	1.198	10.78
83)		Bis(2-ethylhexyl)	0.711	0.699	0.821	0.750	0.839	0.779	0.781	8.17
84)	c	Di-n-octyl phthal	1.063	1.074	1.497	1.311	1.186	1.408	1.268	13.09
85)		Indeno(1,2,3-cd)p	1.134	1.280	1.698	1.472	1.155	1.543	1.395	15.11
86)	I	Perylene-d12	----------ISTD----------							
87)		Benzo(b)fluoranth	1.205	1.240	1.164	0.983	2.339	1.282	1.354	32.93
88)		Benzo(k)fluoranth	1.329	1.076	1.132	1.090	0.901	0.866	1.035	16.76
89)	C	Benzo(a)pyrene	1.197	1.086	1.163	1.041	1.064	1.019	1.088	6.12
90)		Dibenzo(a,h)anthr	1.288	1.265	1.326	1.179	1.162	1.156	1.221	5.75
91)		Benzo(g,h,i)peryl	1.297	1.264	1.305	1.193	1.201	1.176	1.235	4.26

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