Method Path : Z:\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF091516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Sep 15 08:05:33 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BF090073.D 10 =BF090074.D 25 =BF090075.D
40 =BF090076.D 50 =BF090077.D 60 =BF090078.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.749	0.588	0.641	0.621	0.636	0.678	0.649	7.92
3)		Pyridine	0.814	1.501	1.390	1.468	1.732	1.768	1.481	22.13
4)		n-Nitrosodimethyl	0.278	0.364	0.476	0.458	0.538	0.571	0.460	22.86
5)	S	2-Fluorophenol	1.987	2.710	2.646	2.678	2.498	2.379	2.487	10.03
6)		Aniline	1.852	2.295	2.167	2.041	1.951	2.002	2.021	8.20
7)	S	Phenol-d6	3.324	3.750	3.546	3.124	3.209	2.997	3.256	9.63
8)		2-Chlorophenol	1.492	1.596	1.503	1.428	1.427	1.348	1.433	8.15
9)		Benzaldehyde	0.935	0.967	0.968	0.894	0.833	0.767	0.868	11.66
10)	C	Phenol	1.740	2.089	1.965	1.680	1.884	1.653	1.827	8.73
11)		bis(2-Chloroethyl	1.530	1.686	1.589	1.427	1.466	1.336	1.466	10.60
12)		1,3-Dichlorobenze	1.544	1.597	1.578	1.489	1.384	1.353	1.474	7.02
13)	C	1,4-Dichlorobenze	1.653	1.687	1.634	1.545	1.451	1.369	1.521	9.71
14)		1,2-Dichlorobenze	1.728	1.658	1.417	1.317	1.291	1.295	1.383	18.35
15)		Benzyl Alcohol	0.799	1.036	1.015	0.915	0.934	0.910	0.917	9.94
16)		2,2'-oxybis(1-Chl	1.851	1.836	1.834	1.811	1.752	1.631	1.737	8.68
17)		2-Methylphenol	1.092	1.279	1.245	1.186	1.134	1.175	1.172	6.16
18)		Hexachloroethane	0.620	0.614	0.551	0.534	0.510	0.532	0.552	8.51
19)	P	n-Nitroso-di-n-pr	1.141	1.103	1.000	1.001	0.899	0.959	1.012	8.25
20)		3+4-Methylphenols	1.065	1.602	1.547	1.484	1.353	1.403	1.371	14.67
21)	I	Naphthalene-d8	----------ISTD----------							
22)		Acetophenone	0.469	0.525	0.500	0.498	0.488	0.453	0.484	5.43
23)	S	Nitrobenzene-d5	0.707	0.793	0.741	0.729	0.671	0.723	0.711	7.87
24)		Nitrobenzene	0.370	0.389	0.407	0.358	0.401	0.343	0.375	6.54
25)		Isophorone	0.740	0.786	0.752	0.760	0.727	0.733	0.745	3.20
26)	C	2-Nitrophenol	0.138	0.181	0.203	0.197	0.174	0.185	0.182	12.00
27)		2,4-Dimethylpheno	0.295	0.337	0.335	0.349	0.302	0.310	0.320	6.41
28)		bis(2-Chloroethox	0.426	0.453	0.483	0.450	0.405	0.439	0.437	6.49
29)	C	2,4-Dichloropheno	0.267	0.311	0.296	0.299	0.290	0.266	0.282	8.02
30)		1,2,4-Trichlorobe	0.303	0.295	0.281	0.287	0.276	0.269	0.279	7.46
31)		Naphthalene	1.070	1.111	1.079	0.930	0.902	0.912	0.983	10.10
32)		Benzoic acid	0.106	0.205	0.252	0.270	0.259	0.260	0.230	25.53
33)		4-Chloroaniline	0.420	0.448	0.456	0.402	0.396	0.411	0.418	5.93
34)	C	Hexachlorobutadie	0.163	0.165	0.151	0.136	0.134	0.127	0.143	12.17
35)		Caprolactam	0.076	0.100	0.105	0.090	0.092	0.096	0.094	10.15
36)	C	4-Chloro-3-methyl	0.309	0.339	0.359	0.313	0.353	0.295	0.328	7.24
37)		2-Methylnaphthale	0.689	0.699	0.608	0.593	0.603	0.589	0.610	11.64
38)	I	Acenaphthene-d10	----------ISTD----------							
39)		1,2,4,5-Tetrachlo	0.613	0.612	0.546	0.466	0.432	0.462	0.514	14.71
40)	P	Hexachlorocyclope	0.237	0.292	0.276	0.262	0.259	0.274	0.267	6.47
41)	S	2,4,6-Tribromophe	0.458	0.474	0.388	0.391	0.391	0.352	0.402	11.59
42)	C	2,4,6-Trichloroph	0.360	0.420	0.392	0.356	0.358	0.373	0.373	6.70
43)		2,4,5-Trichloroph	0.453	0.441	0.400	0.388	0.389	0.374	0.401	8.48
44)	S	2-Fluorobiphenyl		3.143	2.703	2.338	2.005		2.547	19.19
45)		1,1'-Biphenyl	2.024	2.079	1.707	1.477	1.462	1.519	1.637	19.68
46)		2-Chloronaphthale	1.465	1.404	1.252	1.151	1.046	1.066	1.213	13.73
47)		2-Nitroaniline	0.363	0.421	0.379	0.398	0.379	0.357	0.387	6.22
48)		Acenaphthylene	2.643	2.483	2.057	1.985	1.776	1.610	2.037	19.34
49)		Dimethylphthalate	1.806	1.641	1.389	1.489	1.309	1.472	1.486	12.43
50)		2,6-Dinitrotoluen	0.337	0.346	0.332	0.318	0.347	0.281	0.332	7.94
51)	C	Acenaphthene		1.490	1.217	1.147	1.001	0.940	1.137	17.59

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.415	0.460	0.405	0.403	0.358	0.420	0.404	8.56
53)	P	2,4-Dinitrophenol		0.147	0.170	0.190	0.182	0.211	0.180	11.72
54)		Dibenzofuran	1.986	1.973	1.613	1.582	1.370	1.246	1.573	19.95
55)	P	4-Nitrophenol		0.240	0.270	0.290	0.263	0.314	0.284	11.59
56)		2,4-Dinitrotoluen	0.427	0.482	0.446	0.359	0.391	0.344	0.405	12.19
57)		Fluorene	1.656	1.614	1.227	1.125	1.137	1.058	1.234	24.42
58)		2,3,4,6-Tetrachlo	0.342	0.368	0.318	0.277	0.278	0.303	0.306	13.02
59)		Diethylphthalate	1.769	1.612	1.446	1.293	1.368	1.280	1.438	13.02
60)		4-Chlorophenyl-ph	0.722	0.680	0.522	0.472	0.442	0.435	0.520	25.44
61)		4-Nitroaniline	0.404	0.450	0.433	0.412	0.377	0.409	0.409	6.59
62)		Azobenzene	1.757	1.709	1.554	1.430	1.348	1.434	1.509	11.21
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-met	0.071	0.109	0.129	0.144	0.123	0.144	0.122	21.29
65)	c	n-Nitrosodiphenyl	0.707	0.704	0.710	0.605	0.590	0.621	0.634	12.42
66)		4-Bromophenyl-phe	0.194	0.209	0.208	0.203	0.194	0.173	0.193	8.46
67)		Hexachlorobenzene	0.263	0.246	0.246	0.231	0.204	0.192	0.227	11.56
68)		Atrazine	0.195	0.218	0.183	0.208	0.176	0.169	0.188	10.32
69)	C	Pentachlorophenol	0.100	0.134	0.147	0.146	0.145	0.133	0.133	12.34
70)		Phenanthrene	1.102	1.158	0.989	0.944	0.966	0.895	0.966	15.02
71)		Anthracene	1.287	1.229	1.140	1.019	0.923	0.890	1.055	15.55
72)		Carbazole	1.175	1.244	1.153	1.112	1.003	0.915	1.083	11.05
73)		Di-n-butylphthala	1.385	1.416	1.267	1.089	1.127	1.132	1.214	11.66
74)	C	Fluoranthene	1.194	1.165	1.123	0.938	0.872	0.925	1.013	14.05
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine	0.700	0.881	0.841	0.850	0.791	0.799	0.816	7.33
77)		Pyrene	1.531	1.594	1.334	1.381	1.324	1.342	1.460	10.51
78)	S	Terphenyl-d14	1.989	1.924	1.519	1.560	1.444	1.483	1.684	13.85
79)		Butylbenzylphthal	0.645	0.728	0.681	0.708	0.726	0.787	0.727	7.99
80)		Benzo(a)anthracen	1.192	1.222	1.087	1.132	1.081	1.169	1.167	6.44
81)		3,3'-Dichlorobenz	0.464	0.545	0.488	0.491	0.435	0.462	0.489	8.41
82)		Chrysene	1.386	1.272	1.151	0.905	0.985	1.143	1.137	14.27
83)		Bis(2-ethylhexyl)	0.947	0.965	0.884	0.834	0.803	0.872	0.899	7.72
84)	c	Di-n-octyl phthal	1.524	1.688	1.592	1.491	1.412	1.621	1.607	10.29
85)		Indeno(1,2,3-cd)p	0.967	1.110	0.887	0.810	0.820	0.947	0.952	13.25
86)	I	Perylene-d12	----------ISTD----------							
87)		Benzo(b)fluoranth	1.312	1.278	1.035	1.005	1.351	1.186	1.172	12.41
88)		Benzo(k)fluoranth	1.135	1.185	1.155	1.239	0.842	0.845	1.056	15.52
89)	C	Benzo(a)pyrene	1.167	1.168	1.045	1.042	1.023	0.972	1.051	8.34
90)		Dibenzo(a,h)anthr	0.833	0.938	0.818	0.794	0.781	0.787	0.823	6.52
91)		Benzo(g,h,i)peryl	0.798	0.845	0.764	0.741	0.750	0.773	0.786	5.07

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