Method Path : Z:\HPCHEM1\BNA F\METHODS\
Method File : 8270-BF121315.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Dec 14 01:30:12 2015
Response Via : Initial Calibration

Calibration Files
2.5 =BF083726.D 10 =BF083727.D 25 =BF083728.D
40 =BF083729.D 50 =BF083730.D 60 =BF083731.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.651	0.605	0.590	0.644	0.584	0.555	0.599	6.10
3)		Pyridine	1.347	1.551	1.527	1.682	1.483	1.474	1.508	6.65
4)		n-Nitrosodimethyl	0.521	0.577	0.583	0.619	0.576	0.547	0.571	5.35
5)	S	2-Fluorophenol	1.282	1.362	1.292	1.266	1.182	1.128	1.240	6.71
6)		Aniline	2.249	2.236	2.227	2.292	2.037	1.967	2.133	7.16
7)	S	Phenol-d6	1.611	1.742	1.665	1.645	1.508	1.469	1.570	8.57
8)		2-Chlorophenol	1.625	1.530	1.501	1.632	1.378	1.262	1.457	10.69
9)		Benzaldehyde	1.030	0.993	0.912	0.940	0.759	0.674	0.843	19.90
10)	C	Phenol	1.935	2.064	1.952	1.933	1.620	1.747	1.807	12.88
11)		bis(2-Chloroethyl	1.335	1.422	1.334	1.297	1.387	1.304	1.309	8.36
12)		1,3-Dichlorobenze	1.627	1.622	1.550	1.701	1.564	1.443	1.546	8.37
13)	C	1,4-Dichlorobenze	1.746	1.695	1.564	1.606	1.480	1.395	1.562	8.28
14)		1,2-Dichlorobenze	1.522	1.497	1.494	1.581	1.369	1.241	1.404	11.95
15)		Benzyl Alcohol	1.239	1.185	1.149	1.334	1.096	0.987	1.153	9.81
16)		2,2'-oxybis(1-Chl	1.853	1.781	1.699	1.798	1.668	1.582	1.699	7.20
17)		2-Methylphenol	1.190	1.266	1.157	1.279	1.154	1.054	1.171	6.99
18)		Hexachloroethane	0.589	0.593	0.580	0.591	0.536	0.503	0.555	7.92
19)	P	n-Nitroso-di-n-pr	1.066	1.026	0.994	0.942	0.934	0.888	0.961	7.30
20)		3+4-Methylphenols	1.629	1.552	1.498	1.416	1.286	1.271	1.383	14.78
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.532	0.560	0.468	0.527	0.495	0.418	0.491	10.79
23)	S	Nitrobenzene-d5	0.360	0.359	0.380	0.382	0.351	0.339	0.357	5.40
24)		Nitrobenzene	0.347	0.399	0.359	0.386	0.423	0.366	0.372	8.81
25)		Isophorone	0.715	0.741	0.684	0.753	0.691	0.658	0.701	5.14
26)	C	2-Nitrophenol	0.140	0.173	0.182	0.183	0.188	0.189	0.179	10.27
27)		2,4-Dimethylpheno	0.378	0.368	0.339	0.372	0.371	0.327	0.351	8.09
28)		bis(2-Chloroethox	0.395	0.432	0.436	0.409	0.373	0.364	0.400	6.86
29)	C	2,4-Dichloropheno	0.281	0.299	0.291	0.301	0.296	0.285	0.288	4.31
30)		1,2,4-Trichlorobe	0.315	0.323	0.309	0.310	0.294	0.268	0.299	6.90
31)		Naphthalene	1.153	1.172	1.107	1.079	0.974	0.894	1.043	10.84
32)		Benzoic acid		0.163	0.205	0.232	0.249	0.231	0.219	14.13
33)		4-Chloroaniline	0.413	0.425	0.466	0.488	0.432	0.382	0.426	9.71
34)	C	Hexachlorobutadie	0.172	0.172	0.168	0.176	0.166	0.152	0.164	7.21
35)		Caprolactam	0.079	0.092	0.095	0.098	0.097	0.095	0.093	7.12
36)	C	4-Chloro-3-methyl	0.342	0.355	0.323	0.382	0.335	0.291	0.337	8.29
37)		2-Methylnaphthale	0.693	0.689	0.653	0.674	0.669	0.626	0.655	6.20
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.682	0.691	0.633	0.595	0.532	0.473	0.590	14.20
40)	P	Hexachlorocyclope	0.240	0.273	0.302	0.339	0.326	0.303	0.299	11.10
41)	S	2,4,6-Tribromophe	0.191	0.225	0.221	0.205	0.198	0.194	0.204	6.82
42)	C	2,4,6-Trichloroph	0.487	0.451	0.425	0.450	0.419	0.391	0.432	7.71
43)		2,4,5-Trichloroph	0.409	0.420	0.426	0.466	0.433	0.381	0.410	10.45
44)	S	2-Fluorobiphenyl	1.860	1.695	1.365	1.420	1.329	1.194	1.406	21.08
45)		1,1'-Biphenyl	2.096	2.056	1.969	1.825	1.541	1.395	1.773	16.00
46)		2-Chloronaphthale	1.477	1.483	1.404	1.330	1.207	1.119	1.308	11.83
47)		2-Nitroaniline	0.335	0.354	0.396	0.448	0.401	0.336	0.371	12.16
48)		Acenaphthylene	2.644	2.515	2.162	2.250	2.142	1.975	2.201	14.18
49)		Dimethylphthalate	1.745	1.679	1.666	1.570	1.565	1.469	1.559	11.20
50)		2,6-Dinitrotoluen	0.299	0.330	0.374	0.345	0.328	0.334	0.331	7.43
51)	C	Acenaphthene	1.580	1.470	1.317	1.378	1.327	1.220	1.331	13.44

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.360	0.422	0.351	0.451	0.397	0.317	0.382	11.91
53)	P	2,4-Dinitrophenol	0.034	0.079	0.108	0.125	0.155	0.151	0.109	42.52
54)		Dibenzofuran	2.120	2.044	1.738	1.774	1.679	1.575	1.763	14.12
55)	P	4-Nitrophenol	0.238	0.322	0.267	0.356	0.272	0.245	0.283	14.88
56)		2,4-Dinitrotoluen	0.387	0.426	0.500	0.450	0.438	0.444	0.432	9.36
57)		Fluorene	1.801	1.683	1.406	1.339	1.224	1.164	1.389	19.04
58)		2,3,4,6-Tetrachlo	0.321	0.323	0.305	0.319	0.314	0.296	0.307	5.88
59)		Diethylphthalate	1.751	1.828	1.578	1.675	1.543	1.406	1.579	12.36
60)		4-Chlorophenyl-ph	0.694	0.719	0.664	0.700	0.627	0.559	0.633	14.32
61)		4-Nitroaniline	0.312	0.389	0.339	0.352	0.326	0.333	0.336	8.40
62)		Azobenzene	1.594	1.522	1.333	1.569	1.496	1.357	1.439	10.05
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-met		0.091	0.100	0.137	0.116	0.107	0.114	16.24
65)	c	n-Nitrosodiphenyl	0.778	0.706	0.720	0.757	0.643	0.573	0.684	11.20
66)		4-Bromophenyl-phe	0.228	0.225	0.218	0.232	0.230	0.217	0.224	3.20
67)		Hexachlorobenzene	0.255	0.249	0.235	0.246	0.247	0.236	0.242	4.09
68)		Atrazine	0.225	0.211	0.198	0.233	0.198	0.167	0.195	18.09
69)	C	Pentachlorophenol		0.108	0.135	0.156	0.149	0.142	0.136	12.55
70)		Phenanthrene	1.232	1.192	1.144	1.073	0.959	0.886	1.062	12.55
71)		Anthracene	1.275	1.179	1.084	1.188	1.127	1.014	1.103	12.37
72)		Carbazole	1.140	1.085	1.052	1.134	1.042	0.948	1.028	11.79
73)		Di-n-butylphthala	1.397	1.374	1.261	1.251	1.172	1.136	1.249	8.43
74)	C	Fluoranthene	1.212	1.153	1.108	1.207	1.103	1.020	1.098	10.60
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine	0.421	0.570	0.675	0.763	0.661	0.603	0.609	17.60
77)		Pyrene	1.679	1.563	1.521	1.671	1.616	1.510	1.581	4.72
78)	S	Terphenyl-d14	1.057	0.999	0.916	0.925	0.889	0.836	0.930	8.06
79)		Butylbenzylphthal	0.562	0.618	0.700	0.801	0.724	0.655	0.678	11.32
80)		Benzo(a)anthracen	1.216	1.189	1.176	1.209	1.141	0.991	1.137	7.76
81)		3,3'-Dichlorobenz	0.343	0.382	0.413	0.458	0.445	0.415	0.410	9.33
82)		Chrysene	1.179	1.202	1.180	1.176	0.966	0.939	1.109	9.92
83)		Bis(2-ethylhexyl)	0.781	0.812	0.822	0.868	0.765	0.669	0.772	9.33
84)	c	Di-n-octyl phthal	1.128	1.193	1.268	1.351	1.249	1.141	1.227	6.39
85)		Indeno(1,2,3-cd)p	0.881	0.917	1.112	1.110	1.174	1.108	1.089	13.84
86)	I	Perylene-d12	----------ISTD----------							
87)		Benzo(b)fluoranth	1.315	1.321	1.227	1.328	1.156	1.355	1.276	5.68
88)		Benzo(k)fluoranth	1.176	1.254	1.226	1.410	1.243	0.860	1.156	16.88
89)	C	Benzo(a)pyrene	1.063	1.177	1.170	1.243	1.148	1.093	1.139	5.69
90)		Dibenzo(a,h)anthr	0.983	1.062	1.153	1.263	1.209	1.121	1.132	8.13
91)		Benzo(g,h,i)peryl	1.038	1.078	1.178	1.303	1.231	1.145	1.164	7.67

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