Method Path : Z:\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF010915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Sat Jan 10 06:22:22 2015
Response Via : Initial Calibration

Calibration Files
10 =BF076790.D 25 =BF076791.D 40 =BF076792.D
50 =BF076793.D 60 =BF076794.D 80 =BF076795.D

		Compound	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.487	0.607	0.546	0.475	0.469	0.482	0.511	10.69
3)		Pyridine	1.192	1.556	1.218	1.431	1.206	1.559	1.360	12.95
4)		n-Nitrosodimethyl	0.614	0.606	0.753	0.723	0.684	0.723	0.684	8.93
5)	S	2-Fluorophenol	1.126	1.253	1.288	1.195	1.186	1.247	1.216	4.79
6)		Aniline	2.007	2.187	2.252	2.064	2.096	2.162	2.128	4.19
7)	S	Phenol-d6	1.438	1.584	1.609	1.492	1.507	1.562	1.532	4.19
8)		2-Chlorophenol	1.320	1.510	1.473	1.425	1.387	1.450	1.427	4.72
9)		Benzaldehyde	1.006	1.131	0.787	0.845	0.801	0.705	0.879	18.01
10)	C	Phenol	1.576	1.707	1.751	1.599	1.629	1.695	1.660	4.13
11)		bis(2-Chloroethyl	1.297	1.348	1.375	1.251	1.292	1.364	1.321	3.68
12)		1,3-Dichlorobenze	1.496	1.680	1.625	1.563	1.584	1.687	1.606	4.55
13)	C	1,4-Dichlorobenze	1.546	1.767	1.733	1.576	1.677	1.681	1.663	5.21
14)		1,2-Dichlorobenze	1.490	1.652	1.620	1.522	1.504	1.616	1.567	4.46
15)		Benzyl Alcohol	1.160	1.335	1.361	1.220	1.276	1.324	1.279	5.99
16)		2,2'-oxybis(1-Chl	1.699	1.815	1.826	1.667	1.733	1.796	1.756	3.75
17)		2-Methylphenol	1.112	1.253	1.194	1.113	1.152	1.205	1.172	4.76
18)		Hexachloroethane	0.599	0.668	0.630	0.579	0.602	0.616	0.616	4.99
19)	P	n-Nitroso-di-n-pr	1.056	1.104	1.135	1.062	1.103	1.132	1.099	3.05
20)		3+4-Methylphenols	1.356	1.576	1.579	1.511	1.542	1.599	1.527	5.87
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.483	0.500	0.520	0.483	0.498	0.512	0.499	3.00
23)	S	Nitrobenzene-d5	0.348	0.370	0.383	0.357	0.372	0.376	0.368	3.50
24)		Nitrobenzene	0.356	0.357	0.396	0.363	0.362	0.384	0.370	4.46
25)		Isophorone	0.653	0.658	0.695	0.656	0.670	0.692	0.671	2.78
26)	C	2-Nitrophenol	0.159	0.172	0.187	0.180	0.182	0.192	0.179	6.52
27)		2,4-Dimethylpheno	0.270	0.283	0.301	0.286	0.292	0.302	0.289	4.18
28)		bis(2-Chloroethox	0.376	0.375	0.398	0.382	0.387	0.402	0.387	2.92
29)	C	2,4-Dichloropheno	0.250	0.278	0.299	0.278	0.275	0.286	0.278	5.78
30)		1,2,4-Trichlorobe	0.276	0.308	0.321	0.300	0.302	0.315	0.304	5.13
31)		Naphthalene	1.017	1.009	1.072	1.012	1.026	1.059	1.033	2.59
32)		Benzoic acid	0.110	0.112	0.149	0.150	0.151	0.156	0.138	15.33
33)		4-Chloroaniline	0.386	0.423	0.428	0.407	0.402	0.422	0.411	3.87
34)	C	Hexachlorobutadie	0.154	0.170	0.183	0.173	0.175	0.185	0.173	6.39
35)		Caprolactam	0.079	0.079	0.084	0.078	0.076	0.082	0.080	3.47
36)	C	4-Chloro-3-methyl	0.284	0.314	0.326	0.301	0.305	0.323	0.309	5.04
37)		2-Methylnaphthale	0.720	0.727	0.750	0.712	0.713	0.741	0.727	2.11
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.477	0.494	0.529	0.491	0.495	0.540	0.504	4.85
40)	P	Hexachlorocyclope	0.156	0.225	0.261	0.264	0.266	0.309	0.247	21.00
41)	S	2,4,6-Tribromophe	0.160	0.175	0.180	0.167	0.167	0.180	0.171	4.85
42)	C	2,4,6-Trichloroph	0.332	0.365	0.398	0.358	0.357	0.397	0.368	6.91
43)		2,4,5-Trichloroph	0.326	0.401	0.417	0.395	0.381	0.434	0.392	9.47
44)	S	2-Fluorobiphenyl	1.324	1.421	1.441	1.303	1.307	1.451	1.374	5.12
45)		1,1'-Biphenyl	1.531	1.585	1.622	1.517	1.496	1.628	1.563	3.59
46)		2-Chloronaphthale	1.166	1.295	1.339	1.212	1.224	1.314	1.258	5.35
47)		2-Nitroaniline	0.340	0.397	0.400	0.388	0.381	0.416	0.387	6.71
48)		Acenaphthylene	2.013	2.206	2.214	2.066	2.081	2.243	2.137	4.45
49)		Dimethylphthalate	1.412	1.468	1.568	1.402	1.439	1.521	1.468	4.43
50)		2,6-Dinitrotoluen	0.289	0.321	0.323	0.290	0.298	0.328	0.308	5.81
51)	C	Acenaphthene	1.179	1.205	1.264	1.178	1.163	1.255	1.207	3.54

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		Compound	10	25	40	50	60	80	Avg	%RSD
52)		3-Nitroaniline	0.326	0.366	0.364	0.338	0.347	0.373	0.352	5.24
53)	P	2,4-Dinitrophenol	0.012	0.051	0.075	0.093	0.104	0.117	0.075	51.46
54)		Dibenzofuran	1.682	1.797	1.819	1.673	1.679	1.833	1.747	4.38
55)	P	4-Nitrophenol	0.189	0.222	0.233	0.227	0.234	0.256	0.227	9.71
56)		2,4-Dinitrotoluen	0.347	0.412	0.442	0.408	0.409	0.446	0.411	8.62
57)		Fluorene	1.410	1.524	1.537	1.409	1.441	1.526	1.475	4.13
58)		2,3,4,6-Tetrachlo	0.270	0.301	0.285	0.268	0.291	0.309	0.287	5.65
59)		Diethylphthalate	1.433	1.547	1.637	1.480	1.468	1.578	1.524	5.04
60)		4-Chlorophenyl-ph	0.590	0.647	0.650	0.601	0.628	0.646	0.627	4.12
61)		4-Nitroaniline	0.312	0.333	0.369	0.335	0.352	0.362	0.344	6.14
62)		Azobenzene	1.563	1.577	1.659	1.499	1.529	1.644	1.578	3.99
63)	I	Phenanthrene-d10	----------	ISTD	----------					
64)		4,6-Dinitro-2-met	0.078	0.104	0.123	0.119	0.123	0.134	0.113	17.62
65)	c	n-Nitrosodiphenyl	0.692	0.772	0.775	0.715	0.717	0.761	0.739	4.78
66)		4-Bromophenyl-phe	0.203	0.200	0.229	0.216	0.209	0.215	0.212	5.00
67)		Hexachlorobenzene	0.222	0.231	0.230	0.226	0.217	0.222	0.225	2.35
68)		Atrazine	0.206	0.234	0.238	0.229	0.235	0.227	0.228	5.13
69)	C	Pentachlorophenol	0.034	0.062	0.080	0.080	0.084	0.096	0.073	30.21#
70)		Phenanthrene	1.221	1.266	1.313	1.218	1.226	1.278	1.254	3.07
71)		Anthracene	1.216	1.272	1.301	1.206	1.203	1.234	1.239	3.19
72)		Carbazole	1.119	1.215	1.269	1.207	1.198	1.168	1.196	4.20
73)		Di-n-butylphthala	1.389	1.439	1.527	1.424	1.420	1.445	1.441	3.24
74)	C	Fluoranthene	1.252	1.315	1.322	1.262	1.297	1.309	1.293	2.26
75)	I	Chrysene-d12	----------	ISTD	----------					
76)		Benzidine	0.673	0.686	0.567	0.643	0.626	0.567	0.627	8.18
77)		Pyrene	1.504	1.474	1.470	1.455	1.422	1.467	1.465	1.84
78)	S	Terphenyl-d14	0.969	0.895	0.926	0.926	0.917	0.938	0.929	2.64
79)		Butylbenzylphthal	0.667	0.673	0.706	0.682	0.671	0.680	0.680	2.05
80)		Benzo(a)anthracen	1.263	1.310	1.310	1.317	1.293	1.295	1.298	1.53
81)		3,3'-Dichlorobenz	0.438	0.430	0.412	0.418	0.389	0.387	0.412	5.06
82)		Chrysene	1.197	1.182	1.195	1.103	1.087	1.160	1.154	4.15
83)		Bis(2-ethylhexyl)	0.952	0.942	0.935	0.936	0.922	0.950	0.940	1.15
84)	c	Di-n-octyl phthal	1.570	1.578	1.610	1.644	1.576	1.634	1.602	1.99
85)		Indeno(1,2,3-cd)p	1.099	1.232	1.188	1.213	1.211	1.256	1.200	4.53
86)	I	Perylene-d12	----------	ISTD	----------					
87)		Benzo(b)fluoranth	1.621	1.349	1.616	1.312	1.511	1.404	1.469	9.14
88)		Benzo(k)fluoranth	0.949	1.214	1.207	1.306	1.010	1.265	1.159	12.46
89)	C	Benzo(a)pyrene	1.173	1.221	1.313	1.194	1.196	1.204	1.217	4.09
90)		Dibenzo(a,h)anthr	1.063	1.074	1.176	1.115	1.119	1.094	1.107	3.63
91)		Benzo(g,h,i)peryl	1.037	1.099	1.187	1.150	1.151	1.122	1.124	4.63

(#) = Out of Range