

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF010915.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 12 10:43:48 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF076789.D 10 =BF076790.D 25 =BF076791.D 40 =BF076792.D 50 =BF076793.D 60 =BF076794.D 80 =BF076795.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----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-Nitrosodimet...	0.614	0.606	0.753	0.723	0.684	0.723	0.684	8.93	
5) S	2-Fluorophenol	1.095	1.126	1.253	1.288	1.195	1.186	1.247	1.199	5.86
6)	Aniline	1.814	2.007	2.187	2.252	2.064	2.096	2.162	2.083	6.91
7) S	Phenol-d6	1.371	1.438	1.584	1.609	1.492	1.507	1.562	1.509	5.59
8)	2-Chlorophenol	1.355	1.320	1.510	1.473	1.425	1.387	1.450	1.417	4.75
9)	Benzaldehyde	0.994	1.006	1.131	0.787	0.845	0.801	0.705	0.896	16.85
10) C	Phenol	1.550	1.576	1.707	1.751	1.599	1.629	1.695	1.644	4.56
11)	bis(2-Chloroet...	1.294	1.297	1.348	1.375	1.251	1.292	1.364	1.317	3.46
12)	1,3-Dichlorobe...	1.380	1.496	1.680	1.625	1.563	1.584	1.687	1.574	6.88
13) C	1,4-Dichlorobe...	1.571	1.546	1.767	1.733	1.576	1.677	1.681	1.650	5.24
14)	1,2-Dichlorobe...	1.359	1.490	1.652	1.620	1.522	1.504	1.616	1.538	6.58
15)	Benzyl Alcohol	1.112	1.160	1.335	1.361	1.220	1.276	1.324	1.255	7.52
16)	2,2'-oxybis(1-...	1.855	1.699	1.815	1.826	1.667	1.733	1.796	1.770	4.00
17)	2-Methylphenol	0.914	1.112	1.253	1.194	1.113	1.152	1.205	1.135	9.68
18)	Hexachloroethane	0.482	0.599	0.668	0.630	0.579	0.602	0.616	0.597	9.69
19) P	n-Nitroso-di-n...	0.912	1.056	1.104	1.135	1.062	1.103	1.132	1.072	7.18
20)	3+4-Methylphenols	1.328	1.356	1.576	1.579	1.511	1.542	1.599	1.499	7.41
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.446	0.483	0.500	0.520	0.483	0.498	0.512	0.491	4.96
23) S	Nitrobenzene-d5	0.314	0.348	0.370	0.383	0.357	0.372	0.376	0.360	6.51
24)	Nitrobenzene	0.326	0.356	0.357	0.396	0.363	0.362	0.384	0.364	6.11
25)	Isophorone	0.557	0.653	0.658	0.695	0.656	0.670	0.692	0.655	7.07
26) C	2-Nitrophenol	0.145	0.159	0.172	0.187	0.180	0.182	0.192	0.174	9.50
27)	2,4-Dimethylph...	0.242	0.270	0.283	0.301	0.286	0.292	0.302	0.282	7.36
28)	bis(2-Chloroet...	0.371	0.376	0.375	0.398	0.382	0.387	0.402	0.384	3.10
29) C	2,4-Dichloroph...	0.215	0.250	0.278	0.299	0.278	0.275	0.286	0.269	10.37
30)	1,2,4-Trichlor...	0.300	0.276	0.308	0.321	0.300	0.302	0.315	0.303	4.71
31)	Naphthalene	0.986	1.017	1.009	1.072	1.012	1.026	1.059	1.026	2.93
32)	Benzoic acid	0.110	0.112	0.149	0.150	0.151	0.156	0.138	15.33	
33)	4-Chloroaniline	0.346	0.386	0.423	0.428	0.407	0.402	0.422	0.402	7.14
34) C	Hexachlorobuta...	0.174	0.154	0.170	0.183	0.173	0.175	0.185	0.173	5.83
35)	Caprolactam	0.079	0.079	0.084	0.078	0.076	0.082	0.080	3.47	
36) C	4-Chloro-3-met...	0.233	0.284	0.314	0.326	0.301	0.305	0.323	0.298	10.73
37)	2-Methylnaphth...	0.676	0.720	0.727	0.750	0.712	0.713	0.741	0.720	3.31

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.453	0.477	0.494	0.529	0.491	0.495	0.540	0.497	5.97
40)	P	Hexachlorocycl...		0.156	0.225	0.261	0.264	0.266	0.309	0.247	21.00
41)	S	2,4,6-Tribromo...	0.140	0.160	0.175	0.180	0.167	0.167	0.180	0.167	8.37
42)	C	2,4,6-Trichlor...	0.319	0.332	0.365	0.398	0.358	0.357	0.397	0.361	8.19
43)		2,4,5-Trichlor...	0.302	0.326	0.401	0.417	0.395	0.381	0.434	0.379	12.71
44)	S	2-Fluorobiphenyl	1.266	1.324	1.421	1.441	1.303	1.307	1.451	1.359	5.61
45)		1,1'-Biphenyl	1.386	1.531	1.585	1.622	1.517	1.496	1.628	1.538	5.48
46)		2-Chloronaphth...	1.101	1.166	1.295	1.339	1.212	1.224	1.314	1.236	6.92
47)		2-Nitroaniline	0.259	0.340	0.397	0.400	0.388	0.381	0.416	0.368	14.61
48)		Acenaphthylene	1.835	2.013	2.206	2.214	2.066	2.081	2.243	2.094	6.85
49)		Dimethylphthalate	1.364	1.412	1.468	1.568	1.402	1.439	1.521	1.454	4.91
50)		2,6-Dinitrotol...		0.289	0.321	0.323	0.290	0.298	0.328	0.308	5.81
51)	C	Acenaphthene	1.036	1.179	1.205	1.264	1.178	1.163	1.255	1.183	6.38
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	1.633	1.682	1.797	1.819	1.673	1.679	1.833	1.731	4.75
55)	P	4-Nitrophenol		0.189	0.222	0.233	0.227	0.234	0.256	0.227	9.71
56)		2,4-Dinitrotol...	0.291	0.347	0.412	0.442	0.408	0.409	0.446	0.394	14.13
57)		Fluorene	1.269	1.410	1.524	1.537	1.409	1.441	1.526	1.445	6.60
58)		2,3,4,6-Tetrac...	0.197	0.270	0.301	0.285	0.268	0.291	0.309	0.274	13.60
59)		Diethylphthalate	1.338	1.433	1.547	1.637	1.480	1.468	1.578	1.497	6.64
60)		4-Chlorophenyl...	0.579	0.590	0.647	0.650	0.601	0.628	0.646	0.620	4.80
61)		4-Nitroaniline	0.217	0.312	0.333	0.369	0.335	0.352	0.362	0.326	15.91
62)		Azobenzene	1.276	1.563	1.577	1.659	1.499	1.529	1.644	1.535	8.33
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.078	0.104	0.123	0.119	0.123	0.134	0.113	17.62
65)	c	n-Nitrosodiphe...	0.653	0.692	0.772	0.775	0.715	0.717	0.761	0.726	6.27
66)		4-Bromophenyl-...	0.179	0.203	0.200	0.229	0.216	0.209	0.215	0.208	7.60
67)		Hexachlorobenzene	0.172	0.222	0.231	0.230	0.226	0.217	0.222	0.217	9.35
68)		Atrazine	0.171	0.206	0.234	0.238	0.229	0.235	0.227	0.220	10.91
69)	C	Pentachlorophenol		0.034	0.062	0.080	0.080	0.084	0.096	0.073	30.21#
70)		Phenanthrene	1.203	1.221	1.266	1.313	1.218	1.226	1.278	1.246	3.22
71)		Anthracene	1.043	1.216	1.272	1.301	1.206	1.203	1.234	1.211	6.80
72)		Carbazole	1.132	1.119	1.215	1.269	1.207	1.198	1.168	1.187	4.36
73)		Di-n-butylphth...	1.228	1.389	1.439	1.527	1.424	1.420	1.445	1.410	6.45
74)	C	Fluoranthene	1.179	1.252	1.315	1.322	1.262	1.297	1.309	1.277	3.97
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.618	0.673	0.686	0.567	0.643	0.626	0.567	0.626	7.51
77)		Pyrene	1.282	1.504	1.474	1.470	1.455	1.422	1.467	1.439	5.12
78)	S	Terphenyl-d14	0.805	0.969	0.895	0.926	0.926	0.917	0.938	0.911	5.67
79)		Butylbenzylphth...	0.595	0.667	0.673	0.706	0.682	0.671	0.680	0.668	5.15
80)		Benzo(a)anthra...	1.130	1.263	1.310	1.310	1.317	1.293	1.295	1.274	5.19
81)		3,3'-Dichlorob...	0.373	0.438	0.430	0.412	0.418	0.389	0.387	0.407	5.94
82)		Chrysene	1.146	1.197	1.182	1.195	1.103	1.087	1.160	1.153	3.80

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83)	Bis(2-ethylhex...	0.842	0.952	0.942	0.935	0.936	0.922	0.950	0.926	4.14
84) c	Di-n-octyl pht...	1.319	1.570	1.578	1.610	1.644	1.576	1.634	1.562	7.09
85)	Indeno(1,2,3-c...	0.786	1.099	1.232	1.188	1.213	1.211	1.256	1.141	14.38
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.246	1.261	1.349	1.616	1.312	1.511	1.404	1.385	9.81
88)	Benzo(k)fluora...	1.173	1.302	1.214	1.207	1.306	1.010	1.265	1.211	8.38
89) C	Benzo(a)pyrene	1.032	1.173	1.221	1.313	1.194	1.196	1.204	1.190	7.01
90)	Dibenzo(a,h)an...	0.952	1.063	1.074	1.176	1.115	1.119	1.094	1.085	6.37
91)	Benzo(g,h,i)pe...	1.002	1.037	1.099	1.187	1.150	1.151	1.122	1.107	5.98

(#) = Out of Range