

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF113017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Dec 01 09:47:02 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF101012.D 10 =BF101013.D 25 =BF101014.D 40 =BF101015.D 50 =BF101016.D 60 =BF101017.D 80 =BF101018.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.465	0.502	0.515	0.518	0.510	0.508	0.485	0.500	3.78
3)	Pyridine	0.943	1.314	1.353	1.451	1.337	1.411	1.273	1.297	12.88
4)	n-Nitrosodimet...	0.449	0.614	0.675	0.665	0.670	0.699	0.664	0.634	13.47
5) S	2-Fluorophenol	1.177	1.225	1.283	1.247	1.207	1.210	1.123	1.210	4.21
6)	Aniline	1.836	1.919	2.014	1.962	1.904	1.935	1.806	1.911	3.73
7) S	Phenol-d6	1.431	1.477	1.550	1.499	1.460	1.489	1.380	1.469	3.65
8)	2-Chlorophenol	1.355	1.330	1.400	1.344	1.288	1.297	1.224	1.320	4.27
9)	Benzaldehyde	0.997	0.978	0.976	0.879	0.812	0.754	0.899		11.21
10) C	Phenol	1.615	1.642	1.717	1.664	1.621	1.635	1.545	1.634	3.19
11)	bis(2-Chloroet...	1.186	1.215	1.314	1.253	1.209	1.239	1.162	1.226	4.03
12)	1,3-Dichlorobe...	1.525	1.560	1.598	1.582	1.522	1.525	1.445	1.537	3.29
13) C	1,4-Dichlorobe...	1.666	1.601	1.664	1.615	1.572	1.567	1.452	1.591	4.57
14)	1,2-Dichlorobe...	1.500	1.591	1.552	1.489	1.464	1.440	1.350	1.484	5.27
15)	Benzyl Alcohol	1.073	1.132	1.206	1.185	1.134	1.153	1.062	1.135	4.70
16)	2,2'-oxybis(1-...	1.657	1.709	1.779	1.735	1.447	1.720	1.614	1.666	6.64
17)	2-Methylphenol	1.075	1.080	1.104	1.078	1.044	1.066	1.011	1.066	2.80
18)	Hexachloroethane	0.514	0.510	0.530	0.520	0.505	0.520	0.478	0.511	3.24
19) P	n-Nitroso-di-n...	1.023	1.002	1.026	0.990	0.962	0.990	0.934	0.990	3.32
20)	3+4-Methylphenols	1.407	1.498	1.478	1.423	1.340	1.364	1.219	1.390	6.76
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.484	0.515	0.499	0.489	0.483	0.467	0.446	0.483	4.55
23) S	Nitrobenzene-d5	0.337	0.339	0.343	0.340	0.331	0.322	0.335		2.24
24)	Nitrobenzene	0.320	0.337	0.333	0.332	0.336	0.326	0.316	0.329	2.50
25)	Isophorone	0.550	0.584	0.579	0.577	0.577	0.576	0.566	0.573	1.97
26) C	2-Nitrophenol	0.174	0.181	0.182	0.184	0.183	0.179	0.180		2.11
27)	2,4-Dimethylph...	0.246	0.268	0.275	0.265	0.264	0.259	0.251	0.261	3.81
28)	bis(2-Chloroet...	0.381	0.396	0.390	0.389	0.388	0.381	0.370	0.385	2.22
29) C	2,4-Dichloroph...	0.264	0.286	0.295	0.295	0.290	0.285	0.275	0.284	3.98
30)	1,2,4-Trichlor...	0.300	0.324	0.322	0.314	0.320	0.309	0.297	0.312	3.48
31)	Naphthalene	1.013	1.016	1.005	0.993	0.985	0.962	0.927	0.986	3.25
32)	Benzoic acid	0.169	0.203	0.197	0.207	0.215	0.226	0.203		9.57
33)	4-Chloroaniline	0.383	0.419	0.415	0.410	0.393	0.385	0.367	0.396	4.83
34) C	Hexachlorobuta...	0.195	0.200	0.196	0.193	0.191	0.187	0.179	0.192	3.45
35)	Caprolactam	0.075	0.091	0.089	0.092	0.087	0.090	0.095	0.089	7.05
36) C	4-Chloro-3-met...	0.285	0.302	0.301	0.297	0.296	0.292	0.287	0.294	2.26
37)	2-Methylnaphth...	0.696	0.695	0.688	0.681	0.658	0.647	0.624	0.670	4.10

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.769	0.728	0.754	0.725	0.729	0.706	0.674	0.727	4.24
40)	P	Hexachlorocycl...		0.116	0.188	0.221	0.240	0.258	0.269	0.215	26.27
41)	S	2,4,6-Tribromo...	0.234	0.255	0.253	0.242	0.239	0.239	0.219	0.240	5.07
42)	C	2,4,6-Trichlor...	0.396	0.436	0.433	0.435	0.439	0.425	0.418	0.426	3.57
43)		2,4,5-Trichlor...	0.405	0.460	0.466	0.467	0.470	0.467	0.453	0.455	5.06
44)	S	2-Fluorobiphenyl		1.610	1.540	1.464	1.447	1.399	1.310	1.462	7.19
45)		1,1'-Biphenyl	1.950	1.925	1.886	1.824	1.794	1.781	1.667	1.832	5.30
46)		2-Chloronaphth...	1.294	1.359	1.337	1.305	1.301	1.291	1.222	1.301	3.30
47)		2-Nitroaniline		0.381	0.388	0.391	0.387	0.388	0.375	0.385	1.55
48)		Acenaphthylene	2.165	2.238	2.219	2.150	2.141	2.074	1.983	2.139	4.07
49)		Dimethylphthalate	1.657	1.656	1.641	1.615	1.599	1.584	1.539	1.613	2.67
50)		2,6-Dinitrotol...		0.348	0.348	0.339	0.340	0.339	0.325	0.340	2.52
51)	C	Acenaphthene	1.352	1.348	1.310	1.263	1.267	1.240	1.186	1.281	4.68
52)		3-Nitroaniline		0.386	0.392	0.388	0.380	0.376	0.370	0.382	2.15
53)	P	2,4-Dinitrophenol		0.105	0.149	0.164	0.166	0.169	0.176	0.155	16.73
54)		Dibenzofuran	1.928	1.953	1.909	1.854	1.830	1.774	1.670	1.845	5.35
55)	P	4-Nitrophenol		0.227	0.264	0.269	0.255	0.267	0.263	0.258	6.08
56)		2,4-Dinitrotol...		0.468	0.478	0.467	0.450	0.449	0.419	0.455	4.55
57)		Fluorene		1.643	1.569	1.505	1.467	1.456	1.361	1.500	6.50
58)		2,3,4,6-Tetrac...	0.346	0.354	0.390	0.371	0.366	0.363	0.363	0.365	3.84
59)		Diethylphthalate	1.596	1.683	1.645	1.620	1.565	1.557	1.471	1.591	4.35
60)		4-Chlorophenyl...		0.811	0.786	0.748	0.722	0.709	0.668	0.741	7.05
61)		4-Nitroaniline		0.404	0.414	0.400	0.391	0.394	0.377	0.397	3.16
62)		Azobenzene	1.373	1.407	1.389	1.357	1.332	1.314	1.279	1.350	3.32
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.118	0.139	0.138	0.134	0.139	0.138	0.134	5.94
65)	c	n-Nitrosodipe...	0.735	0.746	0.738	0.706	0.679	0.684	0.651	0.706	5.07
66)		4-Bromophenyl-...	0.229	0.229	0.239	0.225	0.223	0.217	0.205	0.224	4.72
67)		Hexachlorobenzene	0.261	0.244	0.251	0.238	0.231	0.234	0.221	0.240	5.54
68)		Atrazine	0.225	0.232	0.234	0.214	0.209	0.208	0.192	0.216	6.95
69)	C	Pentachlorophenol		0.107	0.134	0.139	0.136	0.139	0.136	0.132	9.37
70)		Phenanthrene	1.189	1.174	1.146	1.093	1.062	1.047	0.999	1.101	6.41
71)		Anthracene	1.166	1.178	1.184	1.120	1.079	1.073	1.003	1.115	6.02
72)		Carbazole	1.092	1.076	1.077	1.014	0.978	0.983	0.909	1.018	6.60
73)		Di-n-butylphth...	1.342	1.353	1.362	1.288	1.238	1.216	1.137	1.277	6.57
74)	C	Fluoranthene	1.316	1.329	1.299	1.201	1.176	1.153	1.071	1.221	7.96
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.744	0.772	0.697	0.656	0.600	0.590	0.494	0.650	14.90
77)		Pyrene	1.351	1.421	1.404	1.402	1.335	1.380	1.366	1.380	2.25
78)	S	Terphenyl-d14	0.998	0.985	0.942	0.914	0.851	0.877	0.835	0.914	6.99
79)		Butylbenzylphth...		0.603	0.622	0.627	0.593	0.608	0.597	0.608	2.20
80)		Benzo(a)anthra...	1.296	1.285	1.292	1.274	1.241	1.239	1.213	1.263	2.54
81)		3,3'-Dichlorob...	0.489	0.489	0.464	0.447	0.420	0.394	0.357	0.437	11.29
82)		Chrysene	1.249	1.215	1.211	1.175	1.128	1.136	1.094	1.173	4.76

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83)	Bis(2-ethylhex...	0.878	0.900	0.892	0.897	0.845	0.842	0.818	0.868	3.71
84) c	Di-n-octyl pht...		1.469	1.482	1.495	1.438	1.418	1.366	1.444	3.32
85)	Indeno(1,2,3-c...	1.196	1.179	1.130	1.041	0.950	0.900	0.902	1.043	12.28
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.153	1.207	1.241	1.190	1.155	1.262	1.177	1.198	3.48
88)	Benzo(k)fluora...	1.238	1.195	1.154	1.216	1.169	1.138	1.151	1.180	3.14
89) C	Benzo(a)pyrene	1.109	1.112	1.114	1.097	1.056	1.080	1.056	1.089	2.34
90)	Dibenzo(a,h)an...	1.056	1.028	1.020	0.953	0.871	0.894	0.899	0.960	7.77
91)	Benzo(g,h,i)pe...	0.969	0.989	0.956	0.882	0.806	0.854	0.878	0.905	7.47

(#) = Out of Range