

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF101015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Oct 12 01:46:21 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF082167.D 10 =BF082168.D 25 =BF082169.D 40 =BF082170.D 50 =BF082171.D 60 =BF082172.D 80 =BF082173.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.659	0.498	0.478	0.467	0.467	0.442	0.475	0.498	14.65
3)	Pyridine	0.958	1.073	1.184	1.137	1.204	1.260	1.289	1.158	9.84
4)	n-Nitrosodimet...	0.412	0.473	0.509	0.516	0.512	0.526	0.491		8.73
5) S	2-Fluorophenol	0.982	1.037	1.008	1.031	0.962	0.918	0.999	0.991	4.19
6)	Aniline	1.509	1.689	1.696	1.722	1.667	1.679	1.676	1.663	4.21
7) S	Phenol-d6	1.330	1.398	1.256	1.332	1.253	1.208	1.251	1.290	5.09
8)	2-Chlorophenol	1.339	1.331	1.178	1.181	1.160	1.171	1.108	1.210	7.37
9)	Benzaldehyde	0.615	0.707	0.705	0.711	0.666	0.613	0.591	0.659	7.79
10) C	Phenol	1.622	1.529	1.404	1.591	1.461	1.299	1.502	1.487	7.47
11)	bis(2-Chloroet...	1.508	1.380	1.149	1.277	1.236	1.110	1.142	1.257	11.50
12)	1,3-Dichlorobe...	1.604	1.509	1.416	1.394	1.350	1.289	1.300	1.409	8.10
13) C	1,4-Dichlorobe...	1.697	1.595	1.462	1.479	1.408	1.330	1.328	1.471	9.25
14)	1,2-Dichlorobe...	1.685	1.616	1.366	1.276	1.235	1.272	1.329	1.397	12.83
15)	Benzyl Alcohol	0.799	0.937	0.915	0.922	0.914	0.893	0.851	0.890	5.46
16)	2,2'-oxybis(1-...	2.154	1.955	1.665	1.637	1.597	1.579	1.669	1.751	12.44
17)	2-Methylphenol	1.024	0.994	0.958	0.946	0.927	0.925	0.922	0.957	4.07
18)	Hexachloroethane	0.607	0.547	0.489	0.490	0.469	0.460	0.462	0.504	10.82
19) P	n-Nitroso-di-n...	1.063	0.962	0.894	0.874	0.899	0.766	0.883	0.906	9.98
20)	3+4-Methylphenols	1.327	1.285	1.159	1.109	1.031	1.058	1.011	1.140	10.90
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.444	0.413	0.397	0.387	0.375	0.374	0.380	0.396	6.44
23) S	Nitrobenzene-d5	0.311	0.312	0.283	0.304	0.299	0.274	0.302	0.298	4.75
24)	Nitrobenzene	0.407	0.316	0.315	0.292	0.302	0.324	0.302	0.322	11.98
25)	Isophorone	0.712	0.598	0.571	0.581	0.580	0.571	0.594	0.601	8.32
26) C	2-Nitrophenol	0.140	0.152	0.153	0.179	0.177	0.166	0.159	0.161	8.73
27)	2,4-Dimethylph...	0.260	0.261	0.258	0.250	0.255	0.266	0.266	0.259	2.26
28)	bis(2-Chloroet...	0.369	0.358	0.323	0.373	0.368	0.335	0.322	0.350	6.34
29) C	2,4-Dichloroph...	0.243	0.259	0.255	0.276	0.267	0.245	0.268	0.259	4.73
30)	1,2,4-Trichlor...	0.351	0.311	0.292	0.296	0.293	0.268	0.280	0.299	8.96
31)	Naphthalene	1.049	0.936	0.851	0.833	0.800	0.762	0.837	0.867	11.13
32)	Benzoic acid	0.145	0.160	0.169	0.176	0.186	0.208	0.174		12.50
33)	4-Chloroaniline	0.385	0.362	0.350	0.379	0.365	0.333	0.347	0.360	5.08
34) C	Hexachlorobuta...	0.222	0.200	0.184	0.183	0.175	0.168	0.171	0.186	10.19
35)	Caprolactam	0.080	0.073	0.073	0.080	0.069	0.074	0.078	0.075	5.37
36) C	4-Chloro-3-met...	0.255	0.249	0.263	0.251	0.254	0.262	0.241	0.254	3.01
37)	2-Methylnaphth...	0.677	0.610	0.570	0.608	0.614	0.578	0.550	0.601	6.84

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.690	0.653	0.596	0.557	0.544	0.530	0.594	0.595	9.85
40)	P	Hexachlorocycl...		0.146	0.201	0.260	0.271	0.284	0.310	0.245	24.71
41)	S	2,4,6-Tribromo...	0.199	0.202	0.186	0.176	0.170	0.182	0.197	0.188	6.57
42)	C	2,4,6-Trichlor...	0.440	0.429	0.385	0.367	0.366	0.375	0.406	0.395	7.63
43)		2,4,5-Trichlor...	0.468	0.456	0.402	0.418	0.415	0.406	0.432	0.428	5.90
44)	S	2-Fluorobiphenyl		1.492	1.162	1.264	1.193	1.101	1.024	1.206	13.43
45)		1,1'-Biphenyl	1.830	1.776	1.425	1.390	1.429	1.444	1.381	1.525	12.56
46)		2-Chloronaphth...	1.434	1.341	1.095	1.159	1.160	1.157	1.058	1.201	11.33
47)		2-Nitroaniline	0.291	0.350	0.325	0.317	0.331	0.348	0.345	0.330	6.34
48)		Acenaphthylene	2.368	2.081	1.834	1.819	1.700	1.601	1.689	1.870	14.32
49)		Dimethylphthalate	1.815	1.523	1.364	1.241	1.265	1.350	1.301	1.408	14.31
50)		2,6-Dinitrotol...	0.308	0.330	0.262	0.306	0.288	0.257	0.328	0.297	9.87
51)	C	Acenaphthene	1.400	1.177	1.066	1.116	1.075	1.014	1.012	1.123	12.01
52)		3-Nitroaniline	0.347	0.363	0.324	0.338	0.324	0.301	0.352	0.336	6.30
53)	P	2,4-Dinitrophenol		0.099	0.122	0.153	0.156	0.156	0.170	0.143	18.65
54)		Dibenzofuran	1.833	1.734	1.526	1.525	1.432	1.318	1.423	1.541	11.79
55)	P	4-Nitrophenol		0.152	0.169	0.204	0.199	0.193	0.236	0.192	15.19
56)		2,4-Dinitrotol...	0.354	0.427	0.368	0.376	0.350	0.356	0.369	0.371	7.04
57)		Fluorene	1.597	1.436	1.248	1.228	1.176	1.062	1.116	1.266	14.85
58)		2,3,4,6-Tetrac...	0.385	0.382	0.355	0.320	0.322	0.329	0.354	0.350	7.77
59)		Diethylphthalate		1.501	1.350	1.252	1.189	1.229	1.356	1.313	8.65
60)		4-Chlorophenyl...		0.707	0.582	0.541	0.528	0.532	0.589	0.580	11.66
61)		4-Nitroaniline	0.295	0.344	0.321	0.337	0.323	0.328	0.331	0.326	4.81
62)		Azobenzene	1.518	1.426	1.258	1.193	1.158	1.157	1.284	1.285	10.81
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.097	0.104	0.123	0.116	0.108	0.125	0.112	9.74
65)	c	n-Nitrosodiphe...	0.732	0.655	0.571	0.588	0.538	0.514	0.595	0.599	12.32
66)		4-Bromophenyl-...	0.228	0.225	0.196	0.194	0.182	0.175	0.201	0.200	9.98
67)		Hexachlorobenzene	0.265	0.231	0.196	0.214	0.206	0.205	0.198	0.216	11.24
68)		Atrazine	0.238	0.198	0.198	0.171	0.166	0.179	0.178	0.190	13.07
69)	C	Pentachlorophenol	0.079	0.106	0.105	0.123	0.125	0.119	0.122	0.111	14.56
70)		Phenanthrene	1.237	1.081	0.976	0.916	0.884	0.831	0.937	0.980	14.04
71)		Anthracene		1.203	0.978	1.039	0.999	0.966	0.877	1.010	10.72
72)		Carbazole	1.089	1.013	0.878	0.890	0.866	0.859	0.856	0.922	9.97
73)		Di-n-butylphth...	1.389	1.294	1.156	1.117	1.047	0.961	0.994	1.137	13.82
74)	C	Fluoranthene	1.275	1.145	1.067	1.067	0.972	0.894	0.952	1.053	12.29
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.598	0.668	0.581	0.594	0.554	0.520	0.542	0.580	8.34
77)		Pyrene	1.379	1.201	1.131	1.137	1.100	1.068	1.292	1.187	9.43
78)	S	Terphenyl-d14	0.946	0.801	0.689	0.736	0.708	0.674	0.729	0.755	12.43
79)		Butylbenzylphth...	0.605	0.562	0.513	0.510	0.504	0.494	0.604	0.542	8.88
80)		Benzo(a)anthra...	1.230	1.056	0.955	0.998	0.986	0.973	1.086	1.041	9.19
81)		3,3'-Dichlorob...	0.422	0.410	0.389	0.384	0.366	0.371	0.423	0.395	5.99
82)		Chrysene	1.366	1.192	1.040	0.957	1.001	1.046	1.074	1.096	12.70

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83)	Bis(2-ethylhex...	0.882	0.784	0.716	0.764	0.744	0.740	0.780	0.773	6.96
84) c	Di-n-octyl pht...	1.578	1.360	1.201	1.242	1.231	1.274	1.404	1.327	9.99
85)	Indeno(1,2,3-c...	1.058	0.965	0.822	0.775	0.793	0.796	0.894	0.872	12.19
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.333	1.202	1.039	1.346	1.259	1.181	1.157	1.217	8.80
88)	Benzo(k)fluora...	1.268	1.139	1.087	0.858	0.871	0.914	1.022	1.023	14.94
89) C	Benzo(a)pyrene	1.268	1.104	0.985	1.005	0.985	0.974	1.000	1.046	10.25
90)	Dibenzo(a,h)an...	0.971	0.937	0.817	0.815	0.795	0.808	0.855	0.857	8.14
91)	Benzo(g,h,i)pe...	0.980	0.915	0.776	0.765	0.767	0.773	0.852	0.832	10.35

(#) = Out of Range