

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF060716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jun 07 18:51:55 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF087788.D 10 =BF087789.D 25 =BF087790.D 40 =BF087791.D 50 =BF087792.D 60 =BF087793.D 80 =BF087794.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.672	0.609	0.554	0.529	0.521	0.526	0.568	10.60	
3)	Pyridine	1.199	1.261	1.290	1.373	1.450	1.418	1.405	1.342	6.93
4)	n-Nitrosodimet...	0.614	0.617	0.541	0.567	0.547	0.540	0.555	0.568	5.87
5) S	2-Fluorophenol	1.338	1.311	1.197	1.154	1.068	1.119	1.003	1.170	10.46
6)	Aniline	2.223	2.103	2.137	2.009	1.942	1.893	1.819	2.018	7.15
7) S	Phenol-d6	1.589	1.663	1.458	1.361	1.318	1.299	1.236	1.418	11.21
8)	2-Chlorophenol	1.633	1.477	1.408	1.352	1.329	1.212	1.282	1.385	10.03
9)	Benzaldehyde	1.136	1.076	1.063	0.865	0.755	0.640	0.923	21.70	
10) C	Phenol	1.834	2.022	1.589	1.403	1.478		1.665	15.48	
11)	bis(2-Chloroet...	1.559	1.379	1.229	1.154	1.125	1.044	1.213	1.243	13.97
12)	1,3-Dichlorobe...	1.748	1.561	1.467	1.481	1.408	1.393	1.343	1.486	9.12
13) C	1,4-Dichlorobe...	1.842	1.673	1.482	1.425	1.331	1.313	1.411	1.497	12.92
14)	1,2-Dichlorobe...	1.593	1.440	1.445	1.385	1.358	1.242	1.064	1.361	12.37
15)	Benzyl Alcohol	1.164	1.235	1.163	1.151	1.100	1.029	0.923	1.109	9.36
16)	2,2'-oxybis(1-...	1.814	1.815	1.818	1.696	1.627	1.554	1.434	1.680	8.93
17)	2-Methylphenol	1.177	1.254	1.089	1.152	1.112	1.049	1.028	1.123	6.98
18)	Hexachloroethane	0.576	0.545	0.556	0.534	0.526	0.497	0.484	0.531	6.08
19) P	n-Nitroso-di-n...	1.099	0.966	0.944	0.834	0.851	0.804	0.851	0.907	11.39
20)	3+4-Methylphenols	1.518	1.466	1.215	1.112	1.239		1.310	13.27	
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.529	0.491	0.488	0.437	0.405	0.416	0.362	0.447	13.03
23) S	Nitrobenzene-d5	0.342	0.375	0.355	0.351	0.353	0.314	0.307	0.343	7.04
24)	Nitrobenzene	0.374	0.340	0.371	0.307	0.297	0.319	0.315	0.332	9.32
25)	Isophorone	0.659	0.635	0.677	0.651	0.615	0.611	0.593	0.634	4.71
26) C	2-Nitrophenol	0.157	0.163	0.185	0.205	0.194	0.186	0.154	0.178	11.15
27)	2,4-Dimethylph...	0.335	0.355	0.349	0.340	0.309	0.328	0.275	0.327	8.39
28)	bis(2-Chloroet...	0.443	0.407	0.397	0.406	0.402	0.354	0.345	0.393	8.52
29) C	2,4-Dichloroph...	0.269	0.281	0.290	0.280	0.273	0.252	0.268	0.273	4.35
30)	1,2,4-Trichlor...	0.341	0.333	0.312	0.290	0.270	0.271	0.266	0.297	10.59
31)	Naphthalene	1.180	1.144	1.012	0.943	0.874	0.890	0.885	0.990	12.85
32)	Benzoic acid	0.137	0.180	0.211	0.180	0.186	0.186	0.188	0.180	13.38
33)	4-Chloroaniline	0.469	0.478	0.418	0.477	0.445	0.440	0.368	0.442	8.90
34) C	Hexachlorobuta...	0.162	0.162	0.169	0.163	0.156	0.150	0.136	0.157	6.85
35)	Caprolactam	0.079	0.097	0.099	0.100	0.082	0.088	0.088	0.090	9.30
36) C	4-Chloro-3-met...	0.299	0.339	0.292	0.287	0.286	0.252	0.290	0.292	8.78
37)	2-Methylnaphth...	0.731	0.691	0.654	0.692	0.642	0.621	0.535	0.652	9.70

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38)	I	Acenaphthene-d10	-----ISTD-----							
39)		1,2,4,5-Tetrac...	0.672	0.699	0.649	0.508	0.501	0.469	0.583	17.37
40)	P	Hexachlorocycl...	0.293	0.338	0.345	0.326	0.317	0.314	0.326	5.32
41)	S	2,4,6-Tribromo...	0.217	0.251	0.222	0.216	0.206	0.203	0.164	12.36
42)	C	2,4,6-Trichlor...	0.383	0.406	0.433	0.409	0.414	0.378	0.377	5.29
43)		2,4,5-Trichlor...	0.421	0.470	0.456	0.403	0.382	0.400	0.381	8.40
44)	S	2-Fluorobiphenyl	1.914	1.707	1.378	1.245	1.266		1.502	19.67
45)		1,1'-Biphenyl		2.052	1.792	1.489	1.451	1.494	1.397	15.87
46)		2-Chloronaphth...	1.461	1.524	1.392	1.201	1.158	1.183	1.139	12.38
47)		2-Nitroaniline	0.391	0.426	0.355	0.415	0.394	0.381	0.311	10.14
48)		Acenaphthylene	2.459	2.358	2.075	2.025	2.012	1.894	1.588	14.05
49)		Dimethylphthalate	1.644	1.818	1.471	1.311	1.311	1.264	1.323	14.43
50)		2,6-Dinitrotol...	0.372	0.370	0.334	0.300	0.308	0.289	0.349	10.12
51)	C	Acenaphthene	1.565	1.447	1.250	1.279	1.268	1.186	0.995	14.21
52)		3-Nitroaniline	0.357	0.402	0.397	0.398	0.403	0.337	0.386	6.70
53)	P	2,4-Dinitrophenol	0.020	0.080	0.142	0.168	0.150	0.173	0.122	49.26
54)		Dibenzofuran		2.178	1.822	1.802	1.758	1.685	1.367	14.74
55)	P	4-Nitrophenol	0.250	0.279	0.321	0.338	0.299	0.300	0.293	9.55
56)		2,4-Dinitrotol...	0.437	0.515	0.431	0.394	0.409	0.378	0.422	10.32
57)		Fluorene	1.784	1.719	1.434	1.237	1.177	1.193	1.105	19.94
58)		2,3,4,6-Tetrac...	0.341	0.354	0.324	0.347	0.342	0.310	0.271	8.81
59)		Diethylphthalate		1.797	1.542	1.400	1.459	1.287	1.313	12.76
60)		4-Chlorophenyl...		0.699	0.659	0.539	0.551	0.493	0.588	14.77
61)		4-Nitroaniline	0.369	0.352	0.349	0.397	0.333	0.366	0.375	5.70
62)		Azobenzene	1.649	1.518	1.514	1.459	1.460	1.365	1.185	10.00
63)	I	Phenanthrene-d10	-----ISTD-----							
64)		4,6-Dinitro-2-...	0.049	0.078	0.114	0.141	0.120	0.125	0.126	30.13
65)	c	n-Nitrosodipe...	0.741	0.686	0.722	0.673	0.604	0.653	0.566	9.36
66)		4-Bromophenyl-...	0.247	0.228	0.200	0.222	0.205	0.213	0.187	9.23
67)		Hexachlorobenzene	0.251	0.249	0.241	0.205	0.204	0.199	0.213	10.30
68)		Atrazine	0.204	0.203	0.211	0.220	0.200	0.206	0.162	9.18
69)	C	Pentachlorophenol		0.094	0.110	0.133	0.126	0.126	0.116	11.91
70)		Phenanthrene	1.238	1.204	1.173	0.941	0.887	0.914	0.990	14.28
71)		Anthracene		1.245	1.069	1.109	1.062	1.028	0.838	12.46
72)		Carbazole	1.130	1.107	1.123	0.903	0.849	0.837	0.985	13.14
73)		Di-n-butylphth...	1.466	1.385	1.234	1.265	1.117	1.179	1.131	10.40
74)	C	Fluoranthene	1.318	1.253	1.058	1.132	1.041	1.052	0.900	12.73
75)	I	Chrysene-d12	-----ISTD-----							
76)		Benzidine		0.577	0.670	0.557	0.509	0.456	0.554	14.47
77)		Pyrene	1.561	1.666	1.476	1.468	1.414	1.392	1.412	6.61
78)	S	Terphenyl-d14	1.042	1.076	0.859	0.847	0.812	0.780	0.736	14.79
79)		Butylbenzylpht...	0.598	0.676	0.730	0.682	0.679	0.627	0.599	7.50
80)		Benzo(a)anthra...	1.288	1.336	1.237	1.048	0.987	0.943	1.140	14.70
81)		3,3'-Dichlorob...	0.281	0.323	0.343	0.327	0.317	0.282	0.273	8.91
82)		Chrysene	1.222	1.217	1.220	1.003	0.956	0.858	1.029	13.79

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83)	Bis(2-ethylhex...	0.846	0.904	0.902	0.778	0.768	0.701	0.693	0.799	10.95
84) c	Di-n-octyl pht...	1.284	1.471	1.457	1.283	1.233	1.162	1.196	1.298	9.37
85)	Indeno(1,2,3-c...	0.941	0.974	1.014	0.992	0.996	0.955	1.101	0.996	5.26
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.674	1.519	1.290	1.482	1.128	1.430	1.234	1.394	13.43
88)	Benzo(k)fluora...	0.910	1.123	1.185	0.859	1.182			1.052	14.81
89) C	Benzo(a)pyrene	1.152	1.208	1.145	1.147	1.125	1.110	1.008	1.128	5.43
90)	Dibenzo(a,h)an...	1.014	1.044	1.055	1.053	1.075	1.060	1.032	1.047	1.88
91)	Benzo(g,h,i)pe...	0.999	1.044	1.067	1.096	1.117	1.109	1.111	1.078	4.04

(#) = Out of Range