

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF072715.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 28 15:18:55 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF080674.D 10 =BF080675.D 25 =BF080676.D 40 =BF080677.D 50 =BF080678.D 60 =BF080679.D 80 =BF080680.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.410	0.506	0.489	0.523	0.576	0.675	0.530	16.85	
3)	Pyridine	1.030	1.383	1.342	1.236	1.442	1.597	1.338	14.36	
4)	n-Nitrosodimet...	0.657	0.808	0.785	0.887	0.887	1.078	0.851	16.46	
5) S	2-Fluorophenol	1.224	1.131	1.244	1.243	1.268	1.223	1.457	1.256	7.87
6)	Aniline	1.836	1.835	2.027	1.871	1.872	1.881	2.075	1.914	5.03
7) S	Phenol-d6	1.482	1.360	1.432	1.320	1.204	1.256	1.404	1.351	7.29
8)	2-Chlorophenol	1.235	1.139	1.233	1.229	1.192	1.244	1.449	1.246	7.77
9)	Benzaldehyde	0.955	0.972	1.012	0.897	0.825	0.828	0.912	0.915	7.76
10) C	Phenol	1.625	1.571	1.586	1.518	1.416	1.394	1.596	1.529	5.97
11)	bis(2-Chloroet...	1.056	1.125	1.126	1.052	1.043	1.074	1.232	1.101	6.08
12)	1,3-Dichlorobe...	1.479	1.357	1.531	1.519	1.456	1.516	1.735	1.513	7.54
13) C	1,4-Dichlorobe...	1.454	1.395	1.484	1.432	1.390	1.505	1.714	1.482	7.47
14)	1,2-Dichlorobe...	1.393	1.350	1.468	1.379	1.339	1.390	1.523	1.406	4.70
15)	Benzyl Alcohol	1.142	1.020	1.202	1.098	1.034	1.050	1.188	1.105	6.72
16)	2,2'-oxybis(1-...	1.897	1.987	2.138	2.005	1.996	2.070	2.351	2.064	7.13
17)	2-Methylphenol	0.970	0.823	0.899	0.859	0.786	0.832	0.939	0.873	7.61
18)	Hexachloroethane	0.495	0.441	0.509	0.513	0.455	0.498	0.550	0.494	7.39
19) P	n-Nitroso-di-n...	0.796	0.822	0.813	0.742	0.769	0.733	0.891	0.795	6.82
20)	3+4-Methylphenols	1.225	1.193	1.288	1.203	1.099	1.124	1.220	1.193	5.35
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.531	0.478	0.491	0.482	0.485	0.530	0.608	0.515	9.09
23) S	Nitrobenzene-d5	0.350	0.357	0.394	0.383	0.388	0.408	0.446	0.389	8.28
24)	Nitrobenzene	0.366	0.350	0.361	0.361	0.373	0.410	0.468	0.384	10.88
25)	Isophorone	0.559	0.589	0.639	0.584	0.591	0.595	0.683	0.606	6.86
26) C	2-Nitrophenol	0.123	0.154	0.148	0.154	0.162	0.189	0.155	13.86	
27)	2,4-Dimethylph...	0.336	0.282	0.299	0.265	0.272	0.298	0.339	0.299	9.78
28)	bis(2-Chloroet...	0.342	0.360	0.347	0.331	0.362	0.346	0.402	0.356	6.46
29) C	2,4-Dichloroph...	0.263	0.249	0.259	0.239	0.236	0.251	0.267	0.252	4.67
30)	1,2,4-Trichlor...	0.331	0.305	0.314	0.301	0.301	0.330	0.363	0.321	7.10
31)	Naphthalene	1.030	0.969	0.983	0.924	0.901	1.000	1.079	0.984	6.18
32)	Benzoic acid	0.142	0.177	0.133	0.136	0.141	0.157	0.147	11.16	
33)	4-Chloroaniline	0.365	0.368	0.359	0.335	0.320	0.345	0.388	0.354	6.43
34) C	Hexachlorobuta...	0.209	0.189	0.191	0.184	0.188	0.213	0.226	0.200	8.03
35)	Caprolactam	0.058	0.064	0.045	0.048	0.039	0.052	0.051	17.82	
36) C	4-Chloro-3-met...	0.239	0.266	0.300	0.238	0.246	0.234	0.267	0.256	9.29
37)	2-Methylnaphth...	0.654	0.655	0.660	0.599	0.608	0.573	0.647	0.628	5.47

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.707	0.653	0.661	0.689	0.697	0.842	0.905	0.736	13.21
40)	P	Hexachlorocycl...		0.385	0.402	0.435	0.448	0.545	0.604	0.470	18.34
41)	S	2,4,6-Tribromo...		0.198	0.198	0.153	0.150	0.161	0.190	0.175	13.05
42)	C	2,4,6-Trichlor...	0.456	0.453	0.484	0.466	0.467	0.523	0.552	0.486	7.76
43)		2,4,5-Trichlor...	0.417	0.445	0.447	0.432	0.426	0.463	0.513	0.449	7.15
44)	S	2-Fluorobiphenyl	1.437	1.449	1.465	1.500	1.538	1.769	1.952	1.587	12.41
45)		1,1'-Biphenyl	1.511	1.530	1.601	1.570	1.561	1.875	2.112	1.680	13.49
46)		2-Chloronaphth...	1.194	1.342	1.353	1.343	1.358	1.556	1.691	1.405	11.70
47)		2-Nitroaniline	0.319	0.308	0.340	0.307	0.320	0.338	0.384	0.331	8.06
48)		Acenaphthylene	2.162	2.103	2.229	2.105	2.065	2.237	2.581	2.212	7.93
49)		Dimethylphthalate	1.340	1.390	1.351	1.184	1.187	1.207	1.443	1.300	8.18
50)		2,6-Dinitrotol...		0.244	0.275	0.234	0.226	0.265	0.301	0.257	10.95
51)	C	Acenaphthene	1.374	1.300	1.344	1.185	1.159	1.313	1.430	1.301	7.53
52)		3-Nitroaniline		0.302	0.320	0.276	0.253	0.285	0.318	0.292	8.85
53)	P	2,4-Dinitrophenol		0.059	0.073	0.052	0.060	0.069	0.081	0.066	16.27
54)		Dibenzofuran	1.854	1.866	1.874	1.653	1.599	1.754	1.898	1.785	6.67
55)	P	4-Nitrophenol		0.190	0.227	0.168	0.171	0.187	0.231	0.196	13.91
56)		2,4-Dinitrotol...		0.298	0.339	0.250	0.248	0.281	0.345	0.293	14.41
57)		Fluorene	1.441	1.418	1.431	1.255	1.200	1.320	1.433	1.357	7.28
58)		2,3,4,6-Tetrac...		0.320	0.330	0.292	0.273	0.277	0.310	0.300	7.76
59)		Diethylphthalate	1.040	1.369	1.443	1.087	1.073	1.166	1.467	1.235	15.00
60)		4-Chlorophenyl...	0.591	0.640	0.611	0.547	0.511	0.603	0.677	0.597	9.29
61)		4-Nitroaniline		0.281	0.302	0.216	0.213	0.225	0.259	0.249	14.87
62)		Azobenzene	1.151	1.363	1.342	1.093	1.047	1.150	1.312	1.208	10.60
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.056	0.081	0.062	0.073	0.080	0.098	0.075	19.82
65)	c	n-Nitrosodiphe...	0.690	0.633	0.667	0.633	0.655	0.713	0.789	0.683	8.10
66)		4-Bromophenyl-...	0.223	0.212	0.207	0.197	0.205	0.215	0.237	0.214	6.13
67)		Hexachlorobenzene	0.261	0.268	0.252	0.222	0.235	0.252	0.269	0.251	6.98
68)		Atrazine	0.120	0.155	0.173	0.128	0.116	0.102		0.132	20.20
69)	C	Pentachlorophenol		0.091	0.115	0.091	0.084	0.098	0.115	0.099	13.21
70)		Phenanthrene	1.226	1.148	1.149	1.058	1.039	1.146	1.225	1.142	6.35
71)		Anthracene	1.091	1.099	1.173	1.012	1.002	1.135	1.257	1.110	8.05
72)		Carbazole	1.007	0.920	0.970	0.827	0.849	0.901	1.016	0.927	8.00
73)		Di-n-butylphth...	0.800	0.966	1.007	0.883	0.870	0.913	1.175	0.945	12.86
74)	C	Fluoranthene	0.801	0.931	1.022	0.795	0.827	0.894	0.998	0.895	10.34
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine		0.592	0.671	0.517	0.510	0.465		0.551	14.68
77)		Pyrene	1.627	1.788	1.586	1.570	1.463	1.786	1.901	1.674	9.19
78)	S	Terphenyl-d14	1.132	1.225	1.115	1.033	1.073	1.225	1.371	1.168	9.85
79)		Butylbenzylphth...	0.455	0.461	0.541	0.410	0.429	0.474	0.626	0.485	15.38
80)		Benzo(a)anthra...	1.154	1.148	1.176	1.038	1.017	1.251	1.325	1.158	9.40
81)		3,3'-Dichlorob...	0.300	0.285	0.328	0.271	0.267	0.320	0.351	0.303	10.32
82)		Chrysene	1.265	1.088	1.172	1.026	1.025	1.153	1.360	1.156	10.75

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83)	Bis(2-ethylhex...	0.461	0.677	0.503	0.538	0.619	0.768	0.595	19.42
84) c	Di-n-octyl pht...	0.539	0.768	0.623	0.649	0.771	0.935	0.714	19.59
85)	Indeno(1,2,3-c...	0.435	0.417	0.498	0.427	0.590	0.556	0.487	15.02

86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.534	1.305	1.637	1.585	1.278	1.346	1.509	1.456	9.93
88)	Benzo(k)fluora...	1.480	1.269	1.221	1.083	1.373	1.415	1.507	1.335	11.42
89) C	Benzo(a)pyrene	0.956	1.067	1.159	1.122	1.120	1.136	1.229	1.113	7.61
90)	Dibenzo(a,h)an...	0.687	0.681	0.829	0.715	0.828	0.851	0.765		10.30
91)	Benzo(g,h,i)pe...	0.693	0.677	0.775	0.685	0.839	0.781	0.742		8.91

(#) = Out of Range