

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF042216.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 25 10:49:13 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF086353.D 10 =BF086354.D 25 =BF086355.D 40 =BF086356.D 50 =BF086357.D 60 =BF086358.D 80 =BF086359.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.753	0.625	0.625	0.610	0.636	0.635	0.600	0.640	7.99
3)	Pyridine	1.232	1.533	1.639	1.657	1.577	1.519	1.526		10.12
4)	n-Nitrosodimet...	0.398	0.521	0.566	0.572	0.598	0.613	0.545		14.39
5) S	2-Fluorophenol	0.909	1.213	1.250	1.174	1.230	1.216	1.116	1.158	10.22
6)	Aniline	1.430	1.940	2.077	2.003	2.084	2.049	1.867	1.921	12.00
7) S	Phenol-d6	1.591	1.760	1.640	1.579	1.518	1.506	1.427	1.574	6.78
8)	2-Chlorophenol	1.556	1.540	1.524	1.379	1.381	1.291	1.227	1.414	9.15
9)	Benzaldehyde	1.109	1.104	1.022	0.908	0.851	0.744	0.956		15.37
10) C	Phenol	2.018	2.176	1.849	1.903	1.767	1.620	1.681	1.859	10.42
11)	bis(2-Chloroet...	2.113	1.726	1.683	1.523	1.456	1.421	1.408	1.619	15.52
12)	1,3-Dichlorobe...	1.605	1.563	1.555	1.508	1.520	1.471	1.333	1.508	5.85
13) C	1,4-Dichlorobe...	1.913	1.741	1.687	1.598	1.612	1.567	1.476	1.656	8.54
14)	1,2-Dichlorobe...	1.869	1.781	1.605	1.458	1.358	1.284	1.178	1.505	17.12
15)	Benzyl Alcohol	0.830	0.953	0.966	1.010	0.970	0.876	0.934		7.21
16)	2,2'-oxybis(1-...	2.542	2.366	2.221	2.041	1.991	1.918	1.774	2.122	12.65
17)	2-Methylphenol	1.073	1.213	1.192	1.163	1.215	1.165	1.089	1.159	4.93
18)	Hexachloroethane	0.675	0.627	0.578	0.531	0.520	0.499	0.476	0.558	12.96
19) P	n-Nitroso-di-n...	1.016	1.075	0.944	0.933	0.923	0.815	0.881	0.941	9.06
20)	3+4-Methylphenols	1.120	1.384	1.344	1.227	1.230	1.206	1.086	1.228	8.80
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.462	0.485	0.457	0.397	0.397	0.384	0.353	0.420	11.59
23) S	Nitrobenzene-d5	0.366	0.374	0.349	0.338	0.326	0.306	0.305	0.338	8.06
24)	Nitrobenzene	0.366	0.394	0.393	0.347	0.350	0.359	0.327	0.362	6.80
25)	Isophorone	0.774	0.728	0.685	0.607	0.621	0.609	0.607	0.662	10.34
26) C	2-Nitrophenol	0.153	0.185	0.193	0.188	0.184	0.180	0.171	0.179	7.56
27)	2,4-Dimethylph...	0.367	0.292	0.306	0.296	0.308	0.304	0.273	0.306	9.51
28)	bis(2-Chloroet...	0.430	0.388	0.396	0.358	0.349	0.337	0.329	0.369	9.83
29) C	2,4-Dichloroph...	0.194	0.275	0.276	0.266	0.261	0.253	0.248	0.253	11.12
30)	1,2,4-Trichlor...	0.305	0.290	0.286	0.266	0.270	0.262	0.247	0.275	7.12
31)	Naphthalene	1.221	1.122	1.049	0.985	0.966	0.935	0.853	1.019	12.08
32)	Benzoic acid	0.154	0.168	0.195	0.214	0.222	0.222	0.196		14.83
33)	4-Chloroaniline	0.386	0.395	0.429	0.415	0.412	0.385	0.358	0.397	6.00
34) C	Hexachlorobuta...	0.169	0.162	0.144	0.128	0.126	0.121	0.112	0.137	15.84
35)	Caprolactam	0.074	0.086	0.096	0.090	0.091	0.099	0.102	0.091	10.22
36) C	4-Chloro-3-met...	0.307	0.326	0.303	0.313	0.296	0.269	0.293	0.301	6.01
37)	2-Methylnaphth...	0.645	0.678	0.650	0.585	0.559	0.525	0.472	0.588	12.73

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.585	0.577	0.534	0.495	0.491	0.480	0.460	0.517	9.41
40)	P	Hexachlorocycl...	0.241	0.250	0.253	0.254	0.255	0.260	0.256	0.253	2.33
41)	S	2,4,6-Tribromo...	0.187	0.201	0.203	0.179	0.175	0.166	0.156	0.181	9.59
42)	C	2,4,6-Trichlor...	0.295	0.358	0.365	0.347	0.337	0.338	0.335	0.339	6.59
43)		2,4,5-Trichlor...	0.499	0.422	0.427	0.397	0.397	0.401	0.381	0.418	9.38
44)	S	2-Fluorobiphenyl	1.468	1.447	1.277	1.132	1.041	0.961	0.878	1.172	19.83
45)		1,1'-Biphenyl	1.821	1.756	1.631	1.486	1.466	1.415	1.286	1.552	12.40
46)		2-Chloronaphth...	1.430	1.367	1.268	1.209	1.172	1.148	1.003	1.228	11.61
47)		2-Nitroaniline	0.315	0.384	0.410	0.404	0.400	0.389	0.375	0.382	8.38
48)		Acenaphthylene	2.406	2.268	2.129	1.983	1.860	1.735	1.558	1.991	15.05
49)		Dimethylphthalate	1.687	1.572	1.545	1.401	1.286	1.298	1.324	1.445	10.88
50)		2,6-Dinitrotol...	0.264	0.343	0.335	0.313	0.303	0.327	0.301	0.312	8.41
51)	C	Acenaphthene	1.414	1.373	1.309	1.219	1.131	1.091	1.026	1.223	12.08
52)		3-Nitroaniline	0.342	0.401	0.411	0.407	0.394	0.394	0.387	0.391	5.94
53)	P	2,4-Dinitrophenol		0.104	0.153	0.170	0.172	0.181	0.193	0.162	19.42
54)		Dibenzofuran	1.843	1.752	1.694	1.560	1.474	1.402	1.273	1.571	12.96
55)	P	4-Nitrophenol		0.214	0.262	0.285	0.287	0.287	0.306	0.273	11.82
56)		2,4-Dinitrotol...	0.382	0.464	0.454	0.412	0.408	0.428	0.354	0.414	9.32
57)		Fluorene	1.603	1.529	1.372	1.258	1.178	1.110	0.961	1.287	17.83
58)		2,3,4,6-Tetrac...	0.324	0.338	0.323	0.298	0.288	0.283	0.283	0.305	7.45
59)		Diethylphthalate	1.586	1.516	1.489	1.348	1.243	1.235	1.268	1.384	10.47
60)		4-Chlorophenyl...	0.715	0.680	0.592	0.522	0.488	0.485	0.459	0.563	18.04
61)		4-Nitroaniline	0.337	0.420	0.428	0.424	0.402	0.404	0.384	0.400	7.87
62)		Azobenzene	1.652	1.541	1.544	1.396	1.347	1.306	1.258	1.435	10.16
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.102	0.120	0.132	0.126	0.126	0.126	0.122	8.54
65)	c	n-Nitrosodiphe...	0.699	0.700	0.639	0.616	0.604	0.557	0.502	0.617	11.68
66)		4-Bromophenyl-...	0.201	0.224	0.215	0.193	0.189	0.180	0.169	0.196	9.81
67)		Hexachlorobenzene	0.231	0.238	0.218	0.206	0.204	0.194	0.172	0.209	10.79
68)		Atrazine	0.201	0.210	0.195	0.200	0.186	0.166	0.175	0.190	8.25
69)	C	Pentachlorophenol	0.076	0.123	0.135	0.129	0.133	0.130	0.133	0.123	16.97
70)		Phenanthrene	1.092	1.149	1.054	1.009	0.965	0.921	0.845	1.005	10.36
71)		Anthracene	1.343	1.358	1.230	1.091	1.051	1.024	0.962	1.151	13.79
72)		Carbazole	1.147	1.222	1.165	1.106	1.052	0.984	0.895	1.081	10.46
73)		Di-n-butylphth...	1.207	1.367	1.279	1.121	1.075	0.993	0.923	1.138	13.84
74)	C	Fluoranthene	1.213	1.279	1.158	1.037	1.008	0.944	0.949	1.084	12.28
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.663	0.850	0.901	0.823	0.838	0.827	0.841	0.820	9.03
77)		Pyrene	1.531	1.475	1.421	1.285	1.278	1.332	1.441	1.395	7.02
78)	S	Terphenyl-d14	0.938	0.912	0.828	0.716	0.720	0.732	0.789	0.805	11.39
79)		Butylbenzylphth...	0.534	0.609	0.680	0.666	0.671	0.682	0.707	0.650	9.10
80)		Benzo(a)anthra...	1.120	1.077	1.129	1.023	0.995	0.965	0.958	1.038	6.84
81)		3,3'-Dichlorob...	0.761	0.800	0.762	0.703	0.665	0.670	0.652	0.716	8.09
82)		Chrysene	1.386	1.327	1.122	1.048	1.026	1.138	1.142	1.170	11.63

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83)	Bis(2-ethylhex...	0.781	0.781	0.762	0.702	0.700	0.694	0.674	0.728	6.24
84) c	Di-n-octyl pht...	1.436	1.451	1.453	1.358	1.361	1.346	1.372	1.397	3.41
85)	Indeno(1,2,3-c...	1.189	1.113	1.062	0.952	0.947	0.991	1.026	1.040	8.51
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	0.988	1.058	1.000	1.276	1.216	1.124	1.024	1.098	10.19
88)	Benzo(k)fluora...		1.344	1.289	0.907	0.945	0.982	0.999	1.077	17.52
89) C	Benzo(a)pyrene	1.251	1.159	1.114	1.047	1.044	1.008	0.958	1.083	9.17
90)	Dibenzo(a,h)an...	1.006	0.952	0.895	0.837	0.846	0.871	0.846	0.893	7.13
91)	Benzo(g,h,i)pe...	1.058	0.960	0.888	0.851	0.865	0.910	0.924	0.922	7.60

(#) = Out of Range