

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF112316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 23 13:22:53 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF091267.D 10 =BF091268.D 25 =BF091269.D 40 =BF091270.D 50 =BF091271.D 60 =BF091272.D 80 =BF091273.D

Compound	2.5	10	25	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.703	0.593	0.591	0.581	0.562	0.558	0.522	0.587	9.66
3) Pyridine	1.617	1.598	1.654	1.599	1.579	1.518	1.482	1.578	3.75
4) n-Nitrosodimet...	0.899	0.872	0.878	0.853	0.860	0.860	0.827	0.864	2.59
5) S 2-Fluorophenol	1.374	1.296	1.391	1.165	1.170	1.204	1.113	1.245	8.78
6) Aniline	2.099	2.209	2.091	2.054	2.023	1.995	1.842	2.044	5.51
7) S Phenol-d6	1.840	1.627	1.701	1.627	1.507	1.493	1.400	1.599	9.18
8) 2-Chlorophenol	1.485	1.442	1.484	1.298	1.289	1.323	1.172	1.356	8.67
9) Benzaldehyde	1.055	1.036	0.905	0.784	0.727	0.686		0.866	18.23
10) C Phenol	2.098	1.720	2.010	1.764	1.763	1.464	1.671	1.784	11.88
11) bis(2-Chloroet...	1.468	1.320	1.490	1.225	1.232	1.337	1.111	1.312	10.37
12) 1,3-Dichlorobe...	1.597	1.648	1.600	1.467	1.387	1.342	1.309	1.478	9.30
13) C 1,4-Dichlorobe...	1.663	1.556	1.631	1.551	1.524	1.434	1.234	1.513	9.50
14) 1,2-Dichlorobe...	1.672	1.572	1.430	1.270	1.524	1.321	1.260	1.436	11.14
15) Benzyl Alcohol	1.212	1.353	1.223	1.279	1.268	1.178	1.179	1.242	5.07
16) 2,2'-oxybis(1-...	3.196	3.153	3.011	2.778	2.657	2.692	2.645	2.876	8.30
17) 2-Methylphenol	1.120	1.079	1.149	1.041	1.082	1.083	0.956	1.073	5.76
18) Hexachloroethane	0.553	0.543	0.553	0.533	0.538	0.535	0.516	0.539	2.34
19) P n-Nitroso-di-n...	0.993	1.094	0.965	0.981	1.008	1.020	0.961	1.003	4.54
20) 3+4-Methylphenols	1.502	1.515	1.349	1.385	1.168	1.227	1.072	1.317	12.75
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.540	0.495	0.486	0.394	0.437	0.419	0.389	0.451	12.61
23) S Nitrobenzene-d5	0.344	0.392	0.337	0.350	0.326	0.329	0.353	0.347	6.33
24) Nitrobenzene	0.384	0.373	0.411	0.321	0.382	0.393	0.308	0.368	10.40
25) Isophorone	0.717	0.698	0.654	0.612	0.622	0.613	0.626	0.649	6.60
26) C 2-Nitrophenol	0.109	0.141	0.167	0.158	0.146	0.144	0.165	0.147	13.30
27) 2,4-Dimethylph...	0.315	0.357	0.332	0.279	0.301	0.307	0.275	0.309	9.37
28) bis(2-Chloroet...	0.419	0.409	0.425	0.361	0.339	0.361	0.392	0.386	8.65
29) C 2,4-Dichloroph...	0.302	0.284	0.286	0.269	0.249	0.250	0.274	0.273	7.03
30) 1,2,4-Trichlor...	0.358	0.333	0.325	0.306	0.305	0.305	0.272	0.315	8.64
31) Naphthalene	1.144	1.042	1.018	0.963	0.912	0.869	0.785	0.962	12.37
32) Benzoic acid		0.208	0.243	0.230	0.255	0.265	0.261	0.244	8.91
33) 4-Chloroaniline	0.462	0.449	0.414	0.425	0.388	0.403	0.389	0.419	6.84
34) C Hexachlorobuta...	0.210	0.196	0.188	0.174	0.178	0.180	0.176	0.186	6.95
35) Caprolactam	0.086	0.093	0.083	0.083	0.085	0.075	0.085	0.084	6.12
36) C 4-Chloro-3-met...	0.286	0.337	0.297	0.296	0.280	0.262	0.299	0.294	7.81
37) 2-Methylnaphth...	0.806	0.782	0.655	0.574	0.575	0.605	0.625	0.660	14.50
38) I Acenaphthene-d10	-----ISTD-----								

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39)	1,2,4,5-Tetrac...	0.589	0.586	0.618	0.567	0.522	0.488	0.424	0.542	12.57
40) P	Hexachlorocycl...	0.205	0.265	0.289	0.252	0.237	0.223	0.228	0.243	11.68
41) S	2,4,6-Tribromo...	0.201	0.235	0.229	0.188	0.198	0.200	0.161	0.202	12.46
42) C	2,4,6-Trichlor...	0.374	0.422	0.424	0.368	0.352	0.353	0.323	0.374	9.95
43)	2,4,5-Trichlor...	0.354	0.430	0.382	0.346	0.355	0.346	0.300	0.359	11.03
44) S	2-Fluorobiphenyl	1.411	1.450	1.214	1.064	1.092	1.098		1.221	13.94
45)	1,1'-Biphenyl	1.563	1.594	1.743	1.447	1.233	1.213	1.302	1.442	13.99
46)	2-Chloronaphth...	1.171	1.153	1.244	1.019	0.925	0.929	0.953	1.056	12.40
47)	2-Nitroaniline	0.274	0.359	0.400	0.390	0.348	0.341	0.397	0.358	12.31
48)	Acenaphthylene	1.862	2.022	1.829	1.550	1.619	1.625	1.341	1.693	13.42
49)	Dimethylphthalate	1.394	1.392	1.354	1.253	1.185	1.040	1.124	1.249	11.12
50)	2,6-Dinitrotol...	0.216	0.286	0.314	0.262	0.295	0.284	0.252	0.273	11.78
51) C	Acenaphthene	1.285	1.349	1.175	1.097	1.129	1.109	0.921	1.152	12.06
52)	3-Nitroaniline	0.248	0.342	0.305	0.309	0.276	0.324	0.248	0.293	12.49
53) P	2,4-Dinitrophenol		0.079	0.076	0.103	0.110	0.101	0.125	0.099	18.76
54)	Dibenzofuran	1.767	1.892	1.661	1.436	1.468	1.500		1.621	11.35
55) P	4-Nitrophenol	0.163	0.230	0.213	0.248	0.203	0.238	0.184	0.212	14.46
56)	2,4-Dinitrotol...	0.263	0.334	0.410	0.321	0.384	0.377	0.327	0.345	14.27
57)	Fluorene	1.427	1.481	1.283	1.053	1.080	1.116		1.240	14.89
58)	2,3,4,6-Tetrac...	0.336	0.367	0.359	0.301	0.301	0.290	0.257	0.316	12.58
59)	Diethylphthalate	1.372	1.517	1.310	1.246	1.175	1.131	1.047	1.257	12.60
60)	4-Chlorophenyl...	0.623	0.649	0.621	0.546	0.513	0.475		0.571	12.24
61)	4-Nitroaniline	0.222	0.313	0.312	0.280	0.260	0.273	0.256	0.274	11.82
62)	Azobenzene	1.421	1.362	1.252	1.351	1.268	1.225	1.043	1.275	9.71
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.068	0.077	0.103	0.092	0.111	0.094	0.091	17.79
65) c	n-Nitrosodiphe...	0.701	0.627	0.664	0.566	0.550	0.590	0.553	0.607	9.66
66)	4-Bromophenyl-...	0.235	0.227	0.217	0.225	0.225	0.218	0.183	0.219	7.63
67)	Hexachlorobenzene	0.254	0.265	0.256	0.224	0.221	0.223	0.235	0.240	7.58
68)	Atrazine	0.224	0.195	0.204	0.146	0.115	0.077		0.160	35.63
69) C	Pentachlorophenol	0.138	0.150	0.144	0.150	0.148	0.137	0.126	0.142	6.20
70)	Phenanthrene	1.186	1.186	1.125	0.935	0.926	0.958	0.947	1.038	11.75
71)	Anthracene	1.295	1.155	1.052	1.109	1.032	0.938	0.846	1.061	13.77
72)	Carbazole	1.125	1.024	1.021	0.952	0.832	0.794	0.861	0.944	12.76
73)	Di-n-butylphth...	1.195	1.158	1.163	1.135	1.079	1.051	0.873	1.093	10.00
74) C	Fluoranthene	1.277	1.157	1.092	1.090	0.996	0.917	0.858	1.055	13.58
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.308	0.416	0.474	0.402	0.372	0.354		0.388	14.69
77)	Pyrene	1.550	1.474	1.700	1.605	1.381	1.330	1.304	1.478	10.03
78) S	Terphenyl-d14	0.971	0.909	1.064	0.922	0.772	0.725	0.766	0.876	14.25
79)	Butylbenzylpht...	0.519	0.568	0.615	0.630	0.600	0.630	0.578	0.591	6.71
80)	Benzo(a)anthra...	1.286	1.260	1.222	1.150	1.027	1.017	0.982	1.135	11.11
81)	3,3'-Dichlorob...	0.321	0.428	0.424	0.386	0.382	0.361	0.319	0.374	11.72
82)	Chrysene	1.131	1.196	1.151	1.205	0.996	0.967	0.863	1.073	12.24
83)	Bis(2-ethylhex...	0.686	0.790	0.804	0.826	0.720	0.706	0.622	0.736	9.97
84) c	Di-n-octyl pht...	1.189	1.291	1.110	1.226	1.142	1.106	1.049	1.159	7.07
85)	Indeno(1,2,3-c...	0.738	0.863	1.063	0.939	0.931	0.964	0.970	0.924	10.97

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86)	I	Perylene-d12	-----ISTD-----								
87)		Benzo(b)fluora...	1.211	1.604	1.402	1.192	1.104	1.075	1.244	1.262	14.64
88)		Benzo(k)fluora...	1.234	0.941	0.966	1.071	1.126	1.085	0.792	1.030	13.95
89)	C	Dibenzo(a)pyrene	1.093	1.167	1.107	1.068	1.024	1.022	1.034	1.073	4.95
90)		Dibenzo(a,h)an...	0.828	0.926	1.146	0.986	1.010	1.027	1.013	0.991	9.84
91)		Benzo(g,h,i)pe...	0.836	0.893	1.159	0.948	0.994	1.024	1.026	0.983	10.63

(#) = Out of Range