

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF080715.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Aug 08 01:33:05 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF080923.D 10 =BF080922.D 25 =BF080921.D 40 =BF080920.D 50 =BF080919.D 60 =BF080918.D 80 =BF080917.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.605	0.570	0.586	0.592	0.585	0.543	0.583	0.581	3.35
3)	Pyridine	1.514	1.657	1.581	1.756	1.610	1.761	1.646		5.98
4)	n-Nitrosodimet...	0.678	0.805	0.855	0.877	0.888	0.853	0.928	0.841	9.61
5) S	2-Fluorophenol	1.242	1.286	1.242	1.225	1.311	1.122	1.141	1.224	5.71
6)	Aniline	2.336	2.553	2.589	2.426	2.588	2.317	2.441	2.464	4.66
7) S	Phenol-d6	1.630	1.799	1.656	1.818	1.631	1.567	1.640	1.677	5.61
8)	2-Chlorophenol	1.458	1.417	1.447	1.528	1.401	1.255	1.408	1.416	5.87
9)	Benzaldehyde	1.095	1.230	1.303	1.190	1.107	0.980	1.011	1.131	10.34
10) C	Phenol	1.962	2.226	1.863	2.298	1.800	1.739	2.043	1.990	10.65
11)	bis(2-Chloroet...	1.541	1.345	1.610	1.508	1.430	1.430	1.537	1.486	6.00
12)	1,3-Dichlorobe...	1.543	1.486	1.562	1.592	1.543	1.415	1.381	1.503	5.26
13) C	1,4-Dichlorobe...	1.651	1.528	1.518	1.511	1.654	1.523	1.550	1.562	4.03
14)	1,2-Dichlorobe...	1.407	1.540	1.592	1.481	1.334	1.188	1.342	1.412	9.78
15)	Benzyl Alcohol	1.290	1.397	1.360	1.498	1.394	1.228	1.443	1.373	6.62
16)	2,2'-oxybis(1-...	3.181	3.190	3.034	2.929	2.912	2.699	2.981	2.989	5.68
17)	2-Methylphenol	1.184	1.289	1.195	1.251	1.267	1.086	1.191	1.209	5.62
18)	Hexachloroethane	0.621	0.619	0.624	0.605	0.587	0.555	0.577	0.598	4.37
19) P	n-Nitroso-di-n...	1.148	1.309	1.178	1.281	1.234	1.235	1.197	1.226	4.61
20)	3+4-Methylphenols	1.552	1.577	1.646	1.424	1.659	1.445	1.328	1.519	8.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.533	0.549	0.524	0.455	0.491	0.452	0.426	0.490	9.59
23) S	Nitrobenzene-d5	0.475	0.491	0.421	0.430	0.380	0.358	0.405	0.423	11.32
24)	Nitrobenzene	0.468	0.456	0.488	0.377	0.473	0.434	0.351	0.435	11.99
25)	Isophorone	0.854	0.915	0.809	0.796	0.799	0.738	0.781	0.813	6.95
26) C	2-Nitrophenol	0.181	0.201	0.204	0.183	0.169	0.160	0.184	0.183	8.54
27)	2,4-Dimethylph...	0.384	0.375	0.334	0.346	0.349	0.304	0.310	0.343	8.75
28)	bis(2-Chloroet...	0.526	0.560	0.525	0.425	0.456	0.453	0.472	0.488	10.06
29) C	2,4-Dichloroph...	0.282	0.303	0.310	0.274	0.263	0.261	0.280	0.282	6.67
30)	1,2,4-Trichlor...	0.326	0.323	0.312	0.317	0.311	0.287	0.281	0.308	5.70
31)	Naphthalene	1.307	1.189	1.105	1.086	1.098	1.006	0.925	1.102	11.15
32)	Benzoic acid	0.157	0.212	0.185	0.228	0.211	0.239	0.205		14.62
33)	4-Chloroaniline	0.472	0.483	0.519	0.470	0.407	0.368	0.418	0.448	11.67
34) C	Hexachlorobuta...	0.229	0.209	0.191	0.166	0.167	0.158	0.162	0.183	14.97
35)	Caprolactam	0.083	0.104	0.105	0.108	0.102	0.096	0.112	0.101	9.43
36) C	4-Chloro-3-met...	0.374	0.352	0.373	0.342	0.330	0.339	0.297	0.344	7.73
37)	2-Methylnaphth...	0.822	0.805	0.783	0.680	0.634	0.572	0.615	0.702	14.39

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.706	0.624	0.561	0.588	0.651	0.623	0.563	0.617	8.39
40) P	Hexachlorocycl...	0.260	0.291	0.340	0.341	0.384	0.370	0.371	0.336	13.58
41) S	2,4,6-Tribromo...	0.226	0.228	0.218	0.233	0.205	0.192	0.235	0.220	7.20
42) C	2,4,6-Trichlor...	0.469	0.501	0.458	0.403	0.438	0.428	0.466	0.452	7.05
43)	2,4,5-Trichlor...	0.479	0.463	0.435	0.429	0.494	0.451	0.436	0.455	5.35
44) S	2-Fluorobiphenyl	1.580	1.535	1.584	1.324	1.263	1.219	1.441	1.421	10.77
45)	1,1'-Biphenyl	1.979	1.792	1.667	1.712	1.796	1.614	1.456	1.716	9.56
46)	2-Chloronaphth...	1.546	1.400	1.303	1.325	1.374	1.235	1.185	1.338	8.83
47)	2-Nitroaniline	0.507	0.507	0.594	0.551	0.506	0.486	0.606	0.537	8.86
48)	Acenaphthylene	2.643	2.422	2.462	2.314	2.168	2.023	2.254	2.327	8.78
49)	Dimethylphthalate	1.937	1.625	1.719	1.407	1.748	1.543	1.650	1.661	10.05
50)	2,6-Dinitrotol...	0.332	0.358	0.365	0.312	0.384	0.341	0.311	0.343	7.94
51) C	Acenaphthene	1.513	1.481	1.526	1.427	1.319	1.258	1.451	1.425	7.08
52)	3-Nitroaniline	0.425	0.456	0.429	0.418	0.397	0.458	0.379	0.423	6.79
53) P	2,4-Dinitrophenol		0.130	0.166	0.193	0.189	0.192	0.217	0.181	16.54
54)	Dibenzofuran	2.238	2.020	2.009	1.916	1.785	1.671	1.848	1.927	9.57
55) P	4-Nitrophenol		0.302	0.332	0.345	0.304	0.286	0.332	0.317	7.20
56)	2,4-Dinitrotol...	0.433	0.451	0.515	0.411	0.520	0.435	0.450	0.459	9.10
57)	Fluorene	1.838	1.616	1.482	1.499	1.449	1.276	1.272	1.490	13.21
58)	2,3,4,6-Tetrac...	0.348	0.362	0.394	0.348	0.345	0.344	0.381	0.360	5.47
59)	Diethylphthalate	1.775	1.851	1.796	1.574	1.785	1.777	1.547	1.729	6.84
60)	4-Chlorophenyl...	0.908	0.801	0.713	0.612	0.668	0.679	0.703	0.726	13.52
61)	4-Nitroaniline	0.427	0.458	0.485	0.437	0.399	0.440	0.402	0.435	7.02
62)	Azobenzene	2.008	2.090	1.903	1.804	1.826	1.899	2.006	1.934	5.41
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.119	0.115	0.137	0.124	0.138	0.110	0.124	9.06
65) c	n-Nitrosodiphe...	0.767	0.773	0.681	0.725	0.663	0.577	0.678	0.695	9.74
66)	4-Bromophenyl-...	0.218	0.223	0.233	0.208	0.198	0.183	0.219	0.212	7.88
67)	Hexachlorobenzene	0.262	0.250	0.225	0.227	0.254	0.224	0.205	0.236	8.63
68)	Atrazine	0.225	0.214	0.212	0.212	0.178	0.191	0.194	0.204	7.93
69) C	Pentachlorophenol		0.128	0.138	0.131	0.140	0.135	0.149	0.137	5.42
70)	Phenanthrene	1.353	1.253	1.079	1.113	1.185	1.027	0.917	1.133	12.83
71)	Anthracene	1.220	1.177	1.269	1.098	1.013	0.953	1.119	1.121	9.98
72)	Carbazole	1.233	1.214	1.079	1.125	1.147	0.963	0.880	1.092	11.85
73)	Di-n-butylphth...	1.392	1.561	1.569	1.310	1.266	1.186	1.270	1.365	10.96
74) C	Fluoranthene	1.286	1.314	1.395	1.288	1.087	1.020	1.179	1.224	10.96
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.626	0.811	0.987	0.904	0.751	0.650		0.788	17.97
77)	Pyrene	1.483	1.550	1.655	1.513	1.387	1.248	1.506	1.477	8.73
78) S	Terphenyl-d14	1.047	0.998	1.122	0.943	0.858	0.844	0.967	0.968	10.24
79)	Butylbenzylphth...	0.600	0.700	0.732	0.764	0.781	0.730	0.679	0.712	8.51
80)	Benzo(a)anthra...	1.425	1.353	1.388	1.299	1.183	1.075	1.121	1.263	10.86
81)	3,3'-Dichlorob...	0.404	0.473	0.503	0.541	0.468	0.389	0.438	0.460	11.71
82)	Chrysene	1.206	1.244	1.412	1.321	1.088	1.015	1.182	1.210	11.10

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83)	Bis(2-ethylhex...	0.896	1.014	1.104	1.075	1.023	0.918	0.907	0.991	8.53
84) c	Di-n-octyl pht...	1.323	1.758	2.035	1.890	1.674	1.502	1.582	1.680	14.27
85)	Indeno(1,2,3-c...	0.979	1.108	1.328	1.297	1.133	1.060	1.153	1.151	10.79
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.507	1.456	1.302	1.485	1.410	1.307	1.268	1.391	7.02
88)	Benzo(k)fluora...	1.176	1.270	1.424	1.072	1.177	1.200	1.198	1.217	8.92
89) C	Benzo(a)pyrene	1.162	1.207	1.236	1.229	1.247	1.158	1.129	1.195	3.83
90)	Dibenzo(a,h)an...	0.974	1.057	1.106	1.071	1.070	1.035	1.088	1.057	4.08
91)	Benzo(g,h,i)pe...	0.955	0.999	1.062	1.064	1.048	1.001	1.070	1.028	4.26

(#) = Out of Range