

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF121716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Dec 17 22:53:54 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF091711.D 10 =BF091712.D 25 =BF091713.D 40 =BF091714.D 50 =BF091715.D 60 =BF091716.D 80 =BF091717.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.627	0.585	0.576	0.617	0.540	0.555	0.614	0.588	5.62
3)	Pyridine	1.798	1.996	1.944	2.097	1.822	1.797	1.803	1.894	6.33
4)	n-Nitrosodimet...	0.768	0.755	0.708	0.782	0.685	0.716	0.716	0.733	4.87
5) S	2-Fluorophenol	1.399	1.314	1.149	1.252	1.196	0.976	1.070	1.194	12.09
6)	Aniline	2.143	2.064	1.939	1.953	1.731	1.659	1.624	1.873	10.85
7) S	Phenol-d6	1.695	1.718	1.448	1.475	1.285	1.317	1.253	1.456	13.02
8)	2-Chlorophenol	1.518	1.466	1.391	1.359	1.155	1.209	1.101	1.314	12.20
9)	Benzaldehyde	1.218	1.115	0.953	0.924	0.760	0.704	0.647	0.903	23.63
10) C	Phenol	1.929	2.013	1.539	1.712	1.302	1.604	1.387	1.641	16.08
11)	bis(2-Chloroet...	1.526	1.403	1.417	1.303	1.177	1.273	1.075	1.311	11.69
12)	1,3-Dichlorobe...	1.700	1.606	1.428	1.498	1.324	1.339	1.208	1.443	11.87
13) C	1,4-Dichlorobe...	1.766	1.656	1.444	1.473	1.263	1.317	1.302	1.460	13.01
14)	1,2-Dichlorobe...	1.551	1.440	1.354	1.392	1.162	1.053	1.000	1.279	16.31
15)	Benzyl Alcohol	1.344	1.325	1.165	1.200	0.972	0.996	0.889	1.127	15.83
16)	2,2'-oxybis(1-...	2.261	2.281	2.101	2.069	1.789	1.764	1.754	2.003	11.59
17)	2-Methylphenol	1.233	1.176	1.128	1.128	1.024	1.025	0.972	1.098	8.53
18)	Hexachloroethane	0.579	0.582	0.546	0.587	0.518	0.510	0.476	0.542	7.86
19) P	n-Nitroso-di-n...	1.060	1.112	0.967	0.959	0.946	0.838	0.897	0.968	9.56
20)	3+4-Methylphenols	1.556	1.363	1.272	1.039	1.193	0.927	1.225		18.46
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.577	0.545	0.498	0.490	0.441	0.411	0.419	0.483	13.14
23) S	Nitrobenzene-d5	0.374	0.405	0.364	0.383	0.299	0.310	0.293	0.347	13.01
24)	Nitrobenzene	0.416	0.391	0.413	0.366	0.360	0.347	0.314	0.372	9.91
25)	Isophorone	0.701	0.726	0.659	0.704	0.608	0.620	0.614	0.662	7.38
26) C	2-Nitrophenol	0.172	0.196	0.204	0.192	0.158	0.157	0.178	0.180	10.36
27)	2,4-Dimethylph...	0.308	0.310	0.330	0.305	0.254	0.278	0.265	0.293	9.46
28)	bis(2-Chloroet...	0.415	0.448	0.425	0.381	0.334	0.361	0.347	0.387	11.12
29) C	2,4-Dichloroph...	0.307	0.310	0.270	0.285	0.255	0.251	0.213	0.270	12.68
30)	1,2,4-Trichlor...	0.351	0.329	0.293	0.304	0.269	0.265	0.239	0.293	13.22
31)	Naphthalene	1.207	1.142	0.945	0.967	0.845	0.847	0.736	0.956	17.66
32)	Benzoic acid	0.128	0.198	0.227	0.246	0.223	0.221	0.219	0.209	18.43
33)	4-Chloroaniline	0.438	0.446	0.457	0.423	0.345	0.346	0.363	0.402	12.29
34) C	Hexachlorobuta...	0.204	0.194	0.177	0.168	0.142	0.138	0.129	0.165	17.64
35)	Caprolactam	0.089	0.094	0.090	0.097	0.076	0.081	0.082	0.087	8.59
36) C	4-Chloro-3-met...	0.340	0.362	0.292	0.315	0.249	0.290	0.239	0.298	15.13
37)	2-Methylnaphth...	0.715	0.703	0.661	0.634	0.532	0.482	0.489	0.602	16.49

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.642	0.552	0.481	0.516	0.461	0.451	0.386	0.499	16.48
40) P	Hexachlorocycl...	0.152	0.198	0.209	0.244	0.222	0.228	0.226	0.211	14.17
41) S	2,4,6-Tribromo...	0.212	0.192	0.184	0.166	0.137	0.152	0.144	0.170	16.34
42) C	2,4,6-Trichlor...	0.417	0.382	0.339	0.377	0.335	0.324	0.319	0.356	10.24
43)	2,4,5-Trichlor...	0.390	0.377	0.372	0.361	0.323	0.342	0.286	0.350	10.33
44) S	2-Fluorobiphenyl	1.240	1.160	1.004	0.843	0.855	0.870	0.996		17.14
45)	1,1'-Biphenyl	1.887	1.638	1.378	1.537	1.332	1.164	1.098	1.433	19.24
46)	2-Chloronaphth...	1.387	1.208	1.033	1.148	1.004	0.897	0.822	1.071	17.97
47)	2-Nitroaniline	0.384	0.376	0.407	0.359	0.315	0.382	0.337	0.366	8.51
48)	Acenaphthylene	2.169	1.860	1.721	1.693	1.432	1.318	1.426	1.660	17.87
49)	Dimethylphthalate	1.689	1.330	1.268	1.414	1.170	1.163	1.110	1.306	15.23
50)	2,6-Dinitrotol...	0.302	0.328	0.264	0.326	0.277	0.231	0.277	0.286	12.22
51) C	Acenaphthene	1.417	1.236	1.175	1.170	0.997	0.942	1.036	1.139	14.27
52)	3-Nitroaniline	0.404	0.357	0.381	0.367	0.355	0.294	0.338	0.357	9.71
53) P	2,4-Dinitrophenol	0.110	0.151	0.169	0.168	0.157	0.175	0.155		15.23
54)	Dibenzofuran	1.628	1.506	1.474	1.223	1.098	1.199	1.355		15.46
55) P	4-Nitrophenol	0.234	0.275	0.245	0.254	0.216	0.254	0.256	0.248	7.46
56)	2,4-Dinitrotol...	0.408	0.441	0.341	0.401	0.315	0.328	0.270	0.358	16.96
57)	Fluorene	1.307	1.113	1.184	0.985	0.836	0.888	1.052		17.24
58)	2,3,4,6-Tetrac...	0.336	0.342	0.296	0.293	0.263	0.266	0.229	0.289	14.02
59)	Diethylphthalate	1.552	1.490	1.291	1.306	1.190	1.097	1.063	1.284	14.48
60)	4-Chlorophenyl...	0.629	0.522	0.483	0.414	0.435	0.393	0.479		18.20
61)	4-Nitroaniline	0.412	0.364	0.318	0.338	0.333	0.305	0.297	0.338	11.68
62)	Azobenzene	1.576	1.554	1.433	1.357	1.166	1.276	1.205	1.366	11.88
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.115	0.144	0.160	0.134	0.127	0.111	0.132		13.78
65) c	n-Nitrosodiphe...	0.771	0.717	0.653	0.649	0.526	0.508	0.523	0.621	16.78
66)	4-Bromophenyl-...	0.243	0.238	0.237	0.212	0.179	0.173	0.186	0.210	14.42
67)	Hexachlorobenzene	0.264	0.246	0.230	0.242	0.203	0.180	0.173	0.220	15.79
68)	Atrazine	0.223	0.231	0.197	0.174	0.169	0.132	0.188		19.79
69) C	Pentachlorophenol	0.082	0.119	0.132	0.146	0.126	0.117	0.109	0.119	16.91
70)	Phenanthrene	1.246	1.069	1.140	0.962	0.809	0.769	0.999		18.77
71)	Anthracene	1.333	1.271	1.206	0.984	0.850	0.947	0.818	1.059	19.73
72)	Carbazole	1.124	1.065	1.001	0.817	0.739	0.807	0.926		17.12
73)	Di-n-butylphth...	1.532	1.288	1.192	1.056	1.067	0.985	1.187		16.94
74) C	Fluoranthene	1.360	1.156	1.046	0.924	0.954	0.822	1.044		18.38
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.643	0.700	0.641	0.642	0.492	0.471	0.440	0.576	18.07
77)	Pyrene	1.596	1.525	1.456	1.498	1.401	1.488	1.146	1.444	10.00
78) S	Terphenyl-d14	0.976	0.758	0.877	0.830	0.756	0.556	0.792		17.90
79)	Butylbenzylphth...	0.748	0.686	0.706	0.722	0.660	0.630	0.581	0.676	8.50
80)	Benzo(a)anthra...	1.441	1.224	1.182	1.221	1.105	1.032	0.803	1.144	17.22
81)	3,3'-Dichlorob...	0.478	0.485	0.463	0.508	0.492	0.453	0.326	0.458	13.29
82)	Chrysene	1.448	1.333	0.986	1.325	1.211	1.040	0.957	1.186	16.29

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83)	Bis(2-ethylhex...	1.103	0.914	0.834	0.881	0.825	0.784	0.662	0.857	15.75
84) c	Di-n-octyl pht...	1.747	1.645	1.653	1.778	1.612	1.438	1.188	1.580	12.95
85)	Indeno(1,2,3-c...	1.193	1.201	1.187	1.316	1.227	1.138	0.899	1.166	11.11
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.365	1.509	1.144	1.439	1.237	1.135	1.050	1.268	13.60
88)	Benzo(k)fluora...		1.011	1.049	0.803	0.735	0.870	0.872	0.890	13.48
89) C	Benzo(a)pyrene	1.305	1.204	1.105	1.096	0.994	1.002	0.913	1.088	12.31
90)	Dibenzo(a,h)an...	1.127	1.071	0.997	0.984	0.867	0.825	0.772	0.949	13.87
91)	Benzo(g,h,i)pe...	1.112	1.081	0.989	1.019	0.889	0.859	0.800	0.964	12.20

(#) = Out of Range