

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF031817.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Mar 18 05:21:29 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF093724.D 10 =BF093725.D 25 =BF093726.D 40 =BF093727.D 50 =BF093728.D 60 =BF093729.D 80 =BF093730.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.637	0.596	0.645	0.618	0.601	0.611	0.628	0.619	2.96
3)	Pyridine	1.423	1.755	1.782	1.755	1.700	1.716	1.729	1.694	7.24
4)	n-Nitrosodimet...	0.743	0.685	0.746	0.738	0.746	0.758	0.773	0.741	3.71
5) S	2-Fluorophenol	1.326	1.219	1.325	1.179	1.059	1.093	1.196	1.200	8.60
6)	Aniline	2.256	2.225	2.271	2.078	2.085	2.013	1.951	2.126	5.93
7) S	Phenol-d6	1.710	1.566	1.523	1.521	1.375	1.398	1.314	1.487	9.07
8)	2-Chlorophenol	1.428	1.398	1.448	1.297	1.248	1.264	1.254	1.334	6.56
9)	Benzaldehyde	1.152	1.061	0.993	0.855	0.712	0.663	0.591	0.861	24.95
10) C	Phenol	1.908	1.912	1.768	1.918	1.488	1.531	1.644	1.738	10.67
11)	bis(2-Chloroet...	1.590	1.435	1.369	1.389	1.203	1.251	1.352	1.370	9.19
12)	1,3-Dichlorobe...	1.634	1.615	1.611	1.495	1.343	1.318	1.327	1.478	9.87
13) C	1,4-Dichlorobe...	1.660	1.537	1.561	1.548	1.486	1.466	1.335	1.513	6.64
14)	1,2-Dichlorobe...	1.648	1.624	1.564	1.290	1.222	1.294	1.263	1.415	13.25
15)	Benzyl Alcohol	1.116	1.230	1.204	1.087	1.129	1.062	0.963	1.113	8.04
16)	2,2'-oxybis(1-...	2.391	2.286	2.202	2.044	2.066	2.072	2.059	2.160	6.31
17)	2-Methylphenol	1.156	1.228	1.183	1.138	1.154	1.126	1.097	1.155	3.63
18)	Hexachloroethane	0.564	0.541	0.550	0.535	0.526	0.534	0.513	0.538	3.02
19) P	n-Nitroso-di-n...	1.030	1.086	0.954	0.964	0.970	0.962	0.943	0.987	5.25
20)	3+4-Methylphenols	1.655	1.545	1.459	1.280	1.303	1.301	1.039	1.369	14.82
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.567	0.510	0.479	0.397	0.411	0.401	0.355	0.446	16.81
23) S	Nitrobenzene-d5	0.337	0.369	0.342	0.342	0.320	0.308	0.316	0.333	6.20
24)	Nitrobenzene	0.406	0.382	0.374	0.347	0.320	0.358	0.335	0.360	8.15
25)	Isophorone	0.683	0.692	0.659	0.627	0.611	0.606	0.612	0.641	5.65
26) C	2-Nitrophenol	0.093	0.117	0.145	0.164	0.152	0.145	0.140	0.136	17.47
27)	2,4-Dimethylph...	0.339	0.371	0.315	0.300	0.305	0.294	0.261	0.312	11.19
28)	bis(2-Chloroet...	0.458	0.433	0.442	0.400	0.353	0.358	0.391	0.405	10.15
29) C	2,4-Dichloroph...	0.290	0.287	0.277	0.278	0.245	0.241	0.259	0.268	7.29
30)	1,2,4-Trichlor...	0.324	0.305	0.284	0.283	0.265	0.258	0.238	0.280	10.37
31)	Naphthalene	1.236	1.107	0.957	0.979	0.900	0.874	0.774	0.975	15.81
32)	Benzoic acid	0.083	0.130	0.149	0.182	0.200	0.199	0.200	0.163	27.50
33)	4-Chloroaniline	0.500	0.471	0.383	0.382	0.393	0.385	0.346	0.408	13.54
34) C	Hexachlorobuta...	0.169	0.162	0.154	0.146	0.135	0.134	0.125	0.146	11.11
35)	Caprolactam	0.083	0.097	0.085	0.094	0.083	0.094	0.095	0.090	6.81
36) C	4-Chloro-3-met...	0.282	0.318	0.291	0.288	0.267	0.250	0.282	0.282	7.51
37)	2-Methylnaphth...	0.764	0.764	0.702	0.618	0.528	0.523	0.521	0.632	17.70

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.534	0.500	0.458	0.548	0.452	0.432	0.354	0.468	14.18
40) P	Hexachlorocycl...	0.242	0.250	0.234	0.264	0.220	0.215	0.214	0.234	8.10
41) S	2,4,6-Tribromo...	0.133	0.138	0.122	0.156	0.134	0.126	0.107	0.131	11.59
42) C	2,4,6-Trichlor...	0.313	0.335	0.340	0.426	0.343	0.336	0.324	0.345	10.73
43)	2,4,5-Trichlor...	0.338	0.370	0.379	0.366	0.356	0.359	0.324	0.356	5.32
44) S	2-Fluorobiphenyl	1.296	1.234	1.139	1.092	0.863	0.902	0.893	1.060	16.58
45)	1,1'-Biphenyl	1.762	1.546	1.325	1.630	1.308	1.223	1.023	1.402	18.25
46)	2-Chloronaphth...	1.346	1.204	1.060	1.253	1.081	1.046	0.887	1.125	13.58
47)	2-Nitroaniline	0.241	0.307	0.326	0.342	0.368	0.373	0.322	0.326	13.64
48)	Acenaphthylene	2.151	1.971	1.844	2.145	1.628	1.565	1.542	1.835	14.36
49)	Dimethylphthalate	1.524	1.399	1.294	1.357	1.244	1.290	1.037	1.306	11.50
50)	2,6-Dinitrotol...	0.249	0.278	0.259	0.359	0.260	0.266	0.305	0.282	13.58
51) C	Acenaphthene	1.236	1.132	1.132	1.226	0.947	0.941	0.958	1.081	12.11
52)	3-Nitroaniline	0.293	0.301	0.358	0.349	0.389	0.366	0.287	0.335	12.10
53) P	2,4-Dinitrophenol	0.031	0.045	0.071	0.108	0.096	0.114	0.124	0.084	42.54
54)	Dibenzofuran	1.726	1.563	1.511	1.737	1.325	1.252	1.178	1.470	15.23
55) P	4-Nitrophenol	0.192	0.212	0.270	0.314	0.255	0.235	0.290	0.253	16.99
56)	2,4-Dinitrotol...		0.358	0.316	0.481	0.349	0.346	0.403	0.376	15.60
57)	Fluorene	1.524	1.277	1.149	1.314	0.981	0.911		1.193	19.04
58)	2,3,4,6-Tetrac...	0.234	0.245	0.252	0.303	0.239	0.230	0.211	0.245	11.72
59)	Diethylphthalate	1.336	1.272	1.218	1.360	1.199	1.206	1.115	1.243	6.85
60)	4-Chlorophenyl...	0.679	0.580	0.486	0.509	0.428	0.430	0.405	0.502	19.55
61)	4-Nitroaniline	0.280	0.272	0.318	0.388	0.305	0.335	0.282	0.312	13.02
62)	Azobenzene	1.270	1.420	1.239	1.304	1.188	1.190	1.183	1.256	6.81
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.035	0.052	0.096	0.094	0.116	0.110	0.110	0.087	35.84
65) c	n-Nitrosodiphe...	0.760	0.770	0.706	0.682	0.655	0.625	0.527	0.675	12.40
66)	4-Bromophenyl-...	0.201	0.206	0.212	0.202	0.173	0.168	0.162	0.189	10.85
67)	Hexachlorobenzene	0.229	0.204	0.212	0.215	0.183	0.177	0.164	0.198	11.93
68)	Atrazine	0.215	0.233	0.203	0.228	0.184	0.171	0.126	0.194	19.22
69) C	Pentachlorophenol	0.088	0.111	0.127	0.125	0.115	0.116	0.110	0.113	11.38
70)	Phenanthrene	1.462	1.276	1.119	1.091	1.048	1.030	0.888	1.131	16.50
71)	Anthracene	1.372	1.225	1.244	1.163	0.918	0.918	0.904	1.106	17.27
72)	Carbazole	1.369	1.301	1.300	1.066	0.993	1.052	1.026	1.158	13.62
73)	Di-n-butylphth...	1.400	1.337	1.306	1.178	1.035	1.044	0.988	1.184	14.02
74) C	Fluoranthene	1.329	1.220	1.252	1.157	0.934	0.918	0.861	1.096	17.12
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.861	0.924	0.865	0.805	0.722	0.687	0.607	0.781	14.49
77)	Pyrene	1.769	1.578	1.702	1.872	1.711	1.711	1.564	1.701	6.26
78) S	Terphenyl-d14	1.027	0.948	0.993	0.925	0.853	0.881	0.878	0.929	6.91
79)	Butylbenzylphth...	0.523	0.601	0.659	0.791	0.844	0.872	0.767	0.723	18.07
80)	Benzo(a)anthra...	1.386	1.313	1.275	1.319	1.273	1.302	1.118	1.284	6.39
81)	3,3'-Dichlorob...	0.410	0.463	0.458	0.464	0.476	0.475	0.406	0.450	6.62
82)	Chrysene	1.303	1.221	1.245	1.391	1.235	1.238	1.051	1.241	8.24

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83)	Bis(2-ethylhex...	0.711	0.806	0.843	0.859	0.808	0.836	0.698	0.794	8.07
84) c	Di-n-octyl pht...	1.201	1.371	1.462	1.633	1.522	1.617	1.447	1.465	10.19
85)	Indeno(1,2,3-c...	0.958	1.009	0.956	1.049	1.099	1.144	1.139	1.051	7.59
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.289	1.195	1.412	1.287	1.145	1.139	1.407	1.268	8.99
88)	Benzo(k)fluora...	1.328	1.289	1.049	1.163	1.134	1.141	0.739	1.120	17.26
89) C	Benzo(a)pyrene	1.173	1.156	1.157	1.150	1.055	1.064	1.089	1.120	4.43
90)	Dibenzo(a,h)an...	0.923	0.947	0.922	0.953	0.951	0.959	0.981	0.948	2.18
91)	Benzo(g,h,i)pe...	0.927	0.917	0.917	0.972	0.977	0.992	1.046	0.964	4.95

(#) = Out of Range