

Method Path : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\  
 Method File : 8270-BF061019.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Mon Dec 03 04:47:00 2018  
 Response Via : Initial Calibration

## Calibration Files

10 =BF114925.D 20 =BF114926.D 40 =BF114927.D 50 =BF114928.D 60 =BF114929.D 80 =BF114932.D 100 =BF114933.D

Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.618	0.571	0.562	0.549	0.552	0.564	0.509	0.561	5.75
3) Pyridine	1.582	1.482	1.606	1.588	1.521	1.611	1.536	1.561	3.11
4) n-Nitrosodimet...	0.565	0.540	0.574	0.553	0.551	0.573	0.569	0.561	2.30
5) S 2-Fluorophenol	1.436	1.298	1.175	1.143	1.119	1.107	0.994	1.182	12.18
6) Aniline	2.359	2.136	1.939	1.845	1.817	1.777	1.642	1.931	12.56
7) S Phenol-d6	1.747	1.564	1.439	1.377	1.339	1.316	1.195	1.425	12.74
8) 2-Chlorophenol	1.583	1.448	1.373	1.325	1.295	1.283	1.133	1.349	10.47
9) Benzaldehyde	1.152	1.028	0.846	0.807	0.728			0.912	18.99
10) C Phenol	1.945	1.769	1.576	1.517	1.503	1.490	1.326	1.589	12.85
11) bis(2-Chloroet...	1.443	1.306	1.294	1.246	1.237	1.226	1.116	1.267	7.82
12) 1,3-Dichlorobe...	1.865	1.695	1.582	1.519	1.500	1.467	1.329	1.565	11.02
13) C 1,4-Dichlorobe...	1.863	1.718	1.595	1.531	1.507	1.481	1.293	1.570	11.57
14) 1,2-Dichlorobe...	1.790	1.619	1.445	1.408	1.365	1.292	1.054	1.425	16.47
15) Benzyl Alcohol	1.258	1.151	1.052	1.010	0.979	0.946	0.803	1.029	14.23
16) 2,2'-oxybis(1-...	2.026	1.872	1.804	1.717	1.693	1.638	1.445	1.742	10.57
17) 2-Methylphenol	1.270	1.169	1.143	1.100	1.086	1.105	1.032	1.129	6.69
18) Hexachloroethane	0.661	0.605	0.593	0.568	0.562	0.555	0.505	0.578	8.35
19) P n-Nitroso-di-n...	1.040	0.934	0.893	0.855	0.846	0.853	0.818	0.891	8.46
20) 3+4-Methylphenols	1.616	1.444	1.267	1.229	1.176	1.130	0.990	1.264	16.42
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.538	0.485	0.451	0.426	0.423	0.416	0.396	0.448	10.95
23) S Nitrobenzene-d5	0.371	0.340	0.331	0.317	0.313	0.312	0.294	0.326	7.62
24) Nitrobenzene	0.382	0.355	0.351	0.333	0.328	0.327	0.295	0.339	8.10
25) Isophorone	0.701	0.646	0.646	0.607	0.612	0.619	0.631	0.637	4.97
26) C 2-Nitrophenol	0.196	0.188	0.196	0.186	0.184	0.187	0.180	0.188	3.24
27) 2,4-Dimethylph...	0.314	0.286	0.279	0.266	0.266	0.263	0.253	0.275	7.43
28) bis(2-Chloroet...	0.468	0.431	0.416	0.395	0.390	0.392	0.361	0.408	8.41
29) C 2,4-Dichloroph...	0.330	0.304	0.297	0.284	0.278	0.279	0.247	0.288	8.94
30) 1,2,4-Trichlor...	0.383	0.354	0.342	0.326	0.317	0.313	0.281	0.331	9.90
31) Naphthalene	1.171	1.056	0.932	0.892	0.862	0.828	0.710	0.922	16.46
32) Benzoic acid	0.161	0.182	0.206	0.199	0.224	0.239	0.228	0.206	13.42
33) 4-Chloroaniline	0.510	0.464	0.444	0.420	0.413	0.406	0.388	0.435	9.62
34) C Hexachlorobuta...	0.217	0.201	0.193	0.182	0.179	0.172	0.154	0.186	10.96
35) Caprolactam	0.105	0.097	0.098	0.096	0.096	0.100	0.087	0.097	5.72
36) C 4-Chloro-3-met...	0.331	0.304	0.298	0.283	0.282	0.281	0.270	0.293	6.99
37) 2-Methylnaphth...	0.774	0.700	0.638	0.608	0.596	0.574	0.495	0.626	14.38
38) 1-Methylnaphth...	0.738	0.665	0.602	0.575	0.563	0.538	0.465	0.592	14.91

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-----ISTD-----										
39) I	Acenaphthene-d10									
40)	1,2,4,5-Tetrac...	0.694	0.646	0.599	0.570	0.541	0.518	0.458	0.575	13.80
41) P	Hexachlorocycl...	0.298	0.324	0.358	0.336	0.329	0.331	0.313	0.327	5.76
42) S	2,4,6-Tribromo...	0.257	0.239	0.222	0.211	0.206	0.206	0.183	0.218	11.20
43) C	2,4,6-Trichlor...	0.478	0.455	0.454	0.428	0.418	0.422	0.401	0.437	6.15
44)	2,4,5-Trichlor...	0.497	0.475	0.468	0.445	0.433	0.434	0.399	0.450	7.22
45) S	2-Fluorobiphenyl	1.617	1.403	1.155	1.095	1.031			1.260	19.39
46)	1,1'-Biphenyl	1.926	1.739	1.533	1.463	1.380	1.326	1.106	1.496	18.12
47)	2-Chloronaphth...	1.529	1.400	1.309	1.253	1.194	1.146	1.011	1.263	13.46
48)	2-Nitroaniline	0.414	0.389	0.397	0.380	0.369	0.380	0.361	0.384	4.59
49)	Acenaphthylene	2.392	2.164	1.892	1.824	1.710	1.650	1.398	1.861	17.79
50)	Dimethylphthalate	1.752	1.616	1.509	1.449	1.429	1.431	1.336	1.503	9.26
51)	2,6-Dinitrotol...	0.382	0.354	0.356	0.337	0.339	0.340	0.308	0.345	6.51
52) C	Acenaphthene	1.421	1.279	1.153	1.102	1.048	1.014	0.876	1.128	15.91
53)	3-Nitroaniline	0.459	0.429	0.427	0.413	0.393	0.399	0.383	0.415	6.27
54) P	2,4-Dinitrophenol	0.129	0.147	0.179	0.174	0.180	0.192	0.196	0.171	14.31
55)	Dibenzofuran	2.124	1.883	1.646	1.576	1.487	1.411	1.141	1.610	19.90
56) P	4-Nitrophenol	0.291	0.289	0.303	0.290	0.293	0.306	0.296	0.295	2.19
57)	2,4-Dinitrotol...	0.501	0.468	0.459	0.441	0.429	0.419	0.337	0.436	11.83
58)	Fluorene	1.629	1.406	1.182	1.145	1.067	1.016		1.241	18.78
59)	2,3,4,6-Tetrac...	0.410	0.385	0.376	0.361	0.352	0.348	0.315	0.364	8.35
60)	Diethylphthalate	1.772	1.610	1.495	1.423	1.385	1.358	1.184	1.461	12.94
61)	4-Chlorophenyl...	0.804	0.703	0.602	0.575	0.536	0.507		0.621	18.07
62)	4-Nitroaniline	0.453	0.432	0.432	0.417	0.414	0.422	0.405	0.425	3.69
63)	Azobenzene	1.533	1.410	1.302	1.247	1.209	1.170	1.030	1.272	12.91
-----ISTD-----										
64) I	Phenanthrene-d10									
65)	4,6-Dinitro-2-...	0.096	0.104	0.119	0.113	0.117	0.120	0.116	0.112	7.77
66) c	n-Nitrosodiphe...	0.722	0.652	0.608	0.581	0.559	0.549	0.489	0.594	12.75
67)	4-Bromophenyl-...	0.253	0.234	0.226	0.213	0.204	0.202	0.184	0.217	10.52
68)	Hexachlorobenzene	0.287	0.258	0.244	0.232	0.227	0.222	0.204	0.239	11.32
69)	Atrazine	0.242	0.220	0.204	0.195	0.190	0.182	0.168	0.200	12.37
70) C	Pentachlorophenol	0.125	0.128	0.143	0.137	0.136	0.139	0.131	0.134	4.66
71)	Phenanthrene	1.276	1.117	0.973	0.936	0.885	0.858	0.747	0.970	18.13
72)	Anthracene	1.283	1.138	0.994	0.949	0.917	0.866	0.747	0.985	18.02
73)	Carbazole	1.153	1.011	0.901	0.855	0.826	0.809	0.722	0.897	16.00
74)	Di-n-butylphth...	1.451	1.303	1.140	1.060	1.023	0.971	0.809	1.108	19.29
75) C	Fluoranthene	1.320	1.158	0.991	0.963	0.929	0.901	0.765	1.004	18.13
-----ISTD-----										
76) I	Chrysene-d12									
77)	Benzidine	1.018	0.986	0.918	0.837	0.890	0.777	0.700	0.875	12.92
78)	Pyrene	1.812	1.708	1.773	1.693	1.690	1.729	1.788	1.742	2.83
79) S	Terphenyl-d14	1.157	1.072	1.014	0.975	0.939	0.961	0.922	1.006	8.31
80)	Butylbenzylpht...	0.804	0.812	0.889	0.844	0.849	0.895	0.914	0.858	4.91
81)	Benzo(a)anthra...	1.595	1.516	1.512	1.470	1.443	1.429	1.386	1.479	4.65
82)	3,3'-Dichlorob...	0.629	0.620	0.637	0.598	0.600	0.601	0.540	0.604	5.30
83)	Chrysene	1.572	1.488	1.522	1.469	1.453	1.500	1.392	1.485	3.80
84)	Bis(2-ethylhex...	1.093	1.052	1.056	1.013	0.970	0.958	0.893	1.005	6.85
85) c	Di-n-octyl pht...	1.915	1.880	1.930	1.821	1.802	1.795	1.709	1.836	4.24
86)	Indeno(1,2,3-c...	1.370	1.297	1.422	1.317	1.362	1.464	1.540	1.396	6.11

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		-----ISTD-----											
87) I	Perylene-d12												
88)	Benzo(b)fluora...	1.529	1.352	1.302	1.257	1.200	1.230	1.245	1.302				8.57
89)	Benzo(k)fluora...	1.278	1.257	1.149	1.089	1.088	1.064	0.985	1.130				9.38
90) C	Benzo(a)pyrene	1.293	1.198	1.145	1.091	1.069	1.081	1.040	1.131				7.85
91)	Dibenzo(a,h)an...	1.061	0.985	0.971	0.898	0.881	0.909	0.982	0.955				6.61
92)	Benzo(g,h,i)pe...	1.008	0.931	0.962	0.875	0.865	0.918	1.107	0.952				8.81

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(#) = Out of Range