

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF121918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 19 17:39:39 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF111589.D 10 =BF111590.D 25 =BF111591.D 40 =BF111592.D 50 =BF111593.D 60 =BF111594.D 80 =BF111595.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.626	0.587	0.550	0.537	0.534	0.524	0.507	0.552	7.41
3)	Pyridine	1.598	1.489	1.481	1.396	1.390	1.386	1.326	1.438	6.30
4)	n-Nitrosodimet...	0.810	0.679	0.709	0.690	0.687	0.691	0.661	0.704	6.96
5) S	2-Fluorophenol	1.363	1.266	1.211	1.147	1.112	1.088	1.025	1.173	9.82
6)	Aniline	2.094	2.002	1.972	1.884	1.846	1.805	1.722	1.903	6.68
7) S	Phenol-d6	1.728	1.629	1.547	1.459	1.418	1.377	1.296	1.493	10.08
8)	2-Chlorophenol	1.463	1.407	1.352	1.285	1.243	1.209	1.139	1.300	8.80
9)	Benzaldehyde	1.278	1.147	1.068	0.993	0.944	0.894	0.866	1.027	14.37
10) C	Phenol	1.922	1.791	1.734	1.654	1.636	1.575	1.481	1.685	8.64
11)	bis(2-Chloroet...	1.447	1.335	1.292	1.244	1.212	1.183	1.125	1.263	8.46
12)	1,3-Dichlorobe...	1.704	1.611	1.568	1.492	1.442	1.404	1.324	1.506	8.65
13) C	1,4-Dichlorobe...	1.721	1.657	1.585	1.511	1.473	1.417	1.330	1.528	8.95
14)	1,2-Dichlorobe...	1.650	1.547	1.490	1.408	1.356	1.306	1.219	1.425	10.39
15)	Benzyl Alcohol	1.344	1.219	1.229	1.181	1.151	1.115	1.062	1.186	7.65
16)	2,2'-oxybis(1-...	2.691	2.491	2.421	2.297	2.208	2.145	2.024	2.325	9.75
17)	2-Methylphenol	1.154	1.096	1.079	1.032	1.004	0.982	0.939	1.041	7.08
18)	Hexachloroethane	0.551	0.532	0.537	0.516	0.506	0.489	0.473	0.515	5.40
19) P	n-Nitroso-di-n...	1.205	1.031	1.017	0.959	0.937	0.920	0.874	0.992	10.96
20)	3+4-Methylphenols	1.508	1.448	1.398	1.303	1.252	1.192	1.104	1.315	10.99
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.574	0.541	0.518	0.503	0.479	0.472	0.459	0.507	8.12
23) S	Nitrobenzene-d5	0.310	0.335	0.351	0.361	0.353	0.350	0.346	0.344	4.86
24)	Nitrobenzene	0.332	0.347	0.371	0.380	0.369	0.364	0.357	0.360	4.52
25)	Isophorone	0.652	0.619	0.617	0.615	0.589	0.588	0.589	0.610	3.84
26) C	2-Nitrophenol	0.107	0.126	0.150	0.159	0.158	0.161	0.162	0.146	14.57
27)	2,4-Dimethylph...	0.303	0.303	0.286	0.295	0.271	0.282	0.274	0.288	4.50
28)	bis(2-Chloroet...	0.439	0.421	0.414	0.408	0.392	0.392	0.376	0.406	5.18
29) C	2,4-Dichloroph...	0.323	0.322	0.316	0.315	0.304	0.297	0.291	0.310	4.05
30)	1,2,4-Trichlor...	0.369	0.358	0.354	0.348	0.335	0.331	0.321	0.345	4.83
31)	Naphthalene	1.072	1.022	0.992	0.967	0.916	0.896	0.862	0.961	7.71
32)	Benzoic acid		0.156	0.180	0.197	0.197	0.204	0.209	0.190	10.28
33)	4-Chloroaniline	0.457	0.435	0.431	0.421	0.396	0.389	0.379	0.415	6.81
34) C	Hexachlorobuta...	0.221	0.220	0.215	0.212	0.207	0.200	0.197	0.210	4.48
35)	Caprolactam	0.113	0.101	0.107	0.106	0.101	0.098	0.108	0.105	4.87
36) C	4-Chloro-3-met...	0.328	0.312	0.310	0.308	0.295	0.291	0.287	0.304	4.75
37)	2-Methylnaphth...	0.706	0.660	0.646	0.630	0.597	0.576	0.562	0.625	8.12

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38)	1-Methylnaphth...	0.675	0.630	0.624	0.606	0.573	0.558	0.537	0.600	7.93
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.717	0.701	0.683	0.660	0.640	0.611	0.588	0.657	7.18
41) P	Hexachlorocycl...	0.290	0.324	0.333	0.328	0.324	0.314	0.319	0.319	4.42
42) S	2,4,6-Tribromo...	0.245	0.243	0.247	0.243	0.232	0.225	0.220	0.236	4.49
43) C	2,4,6-Trichlor...	0.448	0.447	0.457	0.436	0.433	0.431	0.420	0.439	2.83
44)	2,4,5-Trichlor...	0.465	0.463	0.465	0.459	0.440	0.432	0.427	0.450	3.71
45) S	2-Fluorobiphenyl	1.660	1.537	1.449	1.343	1.275	1.212	1.130	1.372	13.63
46)	1,1'-Biphenyl	1.885	1.822	1.769	1.690	1.621	1.558	1.473	1.688	8.74
47)	2-Chloronaphth...	1.466	1.420	1.394	1.334	1.280	1.264	1.205	1.338	7.01
48)	2-Nitroaniline		0.292	0.336	0.361	0.363	0.369	0.366	0.348	8.53
49)	Acenaphthylene	2.131	2.069	2.024	1.946	1.880	1.855	1.766	1.953	6.62
50)	Dimethylphthalate	1.599	1.521	1.517	1.472	1.408	1.378	1.343	1.463	6.22
51)	2,6-Dinitrotol...		0.245	0.290	0.303	0.302	0.304	0.306	0.292	8.15
52) C	Acenaphthene	1.328	1.271	1.245	1.189	1.166	1.138	1.094	1.205	6.75
53)	3-Nitroaniline	0.221	0.286	0.327	0.345	0.330	0.335	0.333	0.311	14.15
54) P	2,4-Dinitrophenol		0.052	0.069	0.080	0.085	0.090	0.096	0.079	20.23
55)	Dibenzofuran	2.012	1.954	1.896	1.828	1.741	1.686	1.622	1.820	7.90
56) P	4-Nitrophenol	0.168	0.216	0.248	0.262	0.254	0.257	0.257	0.237	14.37
57)	2,4-Dinitrotol...		0.266	0.341	0.371	0.374	0.374	0.377	0.350	12.39
58)	Fluorene	1.549	1.434	1.362	1.294	1.225	1.191	1.126	1.311	11.25
59)	2,3,4,6-Tetrac...	0.389	0.384	0.392	0.387	0.371	0.369	0.360	0.379	3.22
60)	Diethylphthalate	1.592	1.477	1.484	1.448	1.378	1.352	1.312	1.435	6.63
61)	4-Chlorophenyl...	0.854	0.764	0.756	0.713	0.686	0.663	0.635	0.724	10.21
62)	4-Nitroaniline		0.272	0.295	0.313	0.312	0.314	0.308	0.302	5.43
63)	Azobenzene	1.585	1.502	1.486	1.451	1.386	1.361	1.311	1.440	6.52
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.047	0.067	0.077	0.081	0.086	0.089	0.075	20.59
66) c	n-Nitrosodiphe...	0.717	0.708	0.701	0.677	0.641	0.636	0.619	0.671	5.85
67)	4-Bromophenyl-...	0.261	0.255	0.263	0.246	0.240	0.238	0.235	0.248	4.55
68)	Hexachlorobenzene	0.296	0.282	0.287	0.278	0.266	0.267	0.260	0.277	4.66
69)	Atrazine	0.264	0.244	0.241	0.233	0.221	0.218	0.211	0.233	7.77
70) C	Pentachlorophenol	0.154	0.161	0.179	0.181	0.174	0.173	0.175	0.171	5.70
71)	Phenanthrene	1.201	1.139	1.106	1.056	1.003	0.984	0.936	1.061	8.84
72)	Anthracene	1.196	1.145	1.122	1.055	1.014	0.989	0.932	1.065	8.83
73)	Carbazole	1.161	1.118	1.075	1.032	0.970	0.965	0.915	1.034	8.66
74)	Di-n-butylphth...	1.318	1.230	1.228	1.167	1.094	1.072	1.004	1.159	9.39
75) C	Fluoranthene	1.239	1.176	1.140	1.072	1.008	0.977	0.907	1.074	10.97
76) I	Chrvsene-d12	-----ISTD-----								
77)	Benzidine	0.818	0.795	0.780	0.762	0.734	0.701	0.677	0.753	6.78
78)	Pyrene	1.373	1.340	1.408	1.428	1.458	1.438	1.440	1.412	2.97
79) S	Terphenyl-d14	1.154	1.087	1.054	1.045	1.044	1.012	0.988	1.055	5.11
80)	Butylbenzylphth...	0.549	0.535	0.585	0.600	0.595	0.591	0.577	0.576	4.26
81)	Benzo(a)anthra...	1.259	1.204	1.157	1.125	1.106	1.096	1.043	1.141	6.32
82)	3,3'-Dichlorob...	0.464	0.485	0.479	0.464	0.443	0.419	0.403	0.451	6.87

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83)	Chrysene	1.198	1.159	1.129	1.126	1.107	1.078	1.057	1.122	4.25
84)	Bis(2-ethylhex...	0.764	0.730	0.748	0.741	0.714	0.714	0.666	0.725	4.38
85) c	Di-n-octyl pht...	1.184	1.139	1.149	1.146	1.086	1.100	1.061	1.124	3.81
86)	Indeno(1,2,3-c...	0.889	0.814	0.842	0.956	1.017	1.020	1.137	0.954	11.96
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.252	1.204	1.184	1.209	1.157	1.115	1.060	1.169	5.51
89)	Benzo(k)fluora...	1.120	1.166	1.215	1.088	1.067	1.082	1.052	1.113	5.27
90) C	Benzo(a)pyrene	1.092	1.071	1.089	1.066	1.047	1.035	1.033	1.062	2.28
91)	Dibenzo(a,h)an...	0.829	0.810	0.900	0.962	1.001	0.985	1.022	0.930	9.12
92)	Benzo(g,h,i)pe...	0.786	0.758	0.862	0.949	0.987	0.981	1.034	0.908	11.79

(#) = Out of Range