

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF091319.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 =BF117017.D 20 =BF117018.D 40 =BF117019.D 50 =BF117020.D 60 =BF117021.D 80 =BF117022.D 100 =BF117023.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.557	0.542	0.508	0.536	0.554	0.537	0.517	0.536	3.36
3)	Pyridine	1.415	1.412	1.433	1.510	1.503	1.525	1.472	1.467	3.22
4)	n-Nitrosodimet...	0.481	0.493	0.474	0.498	0.539	0.528	0.512	0.504	4.75
5) S	2-Fluorophenol	1.380	1.349	1.247	1.264	1.270	1.263	1.194	1.281	4.92
6)	Aniline	2.337	2.289	2.054	2.107	2.140	2.055	1.939	2.132	6.54
7) S	Phenol-d6	1.858	1.741	1.583	1.628	1.645	1.608	1.525	1.656	6.69
8)	2-Chlorophenol	1.574	1.471	1.331	1.355	1.357	1.326	1.260	1.382	7.62
9)	Benzaldehyde	1.197	1.084	0.863	0.814	0.746	0.719		0.904	21.43
10) C	Phenol	2.055	1.934	1.756	1.774	1.801	1.768	1.688	1.825	6.88
11)	bis(2-Chloroet...	1.447	1.451	1.256	1.282	1.384	1.300	1.270	1.341	6.28
12)	1,3-Dichlorobe...	1.728	1.642	1.486	1.533	1.522	1.505	1.439	1.551	6.43
13) C	1,4-Dichlorobe...	1.779	1.685	1.533	1.522	1.559	1.535	1.464	1.583	6.93
14)	1,2-Dichlorobe...	1.691	1.571	1.423	1.459	1.438	1.414	1.318	1.473	8.25
15)	Benzyl Alcohol	1.392	1.313	1.235	1.243	1.289	1.238	1.177	1.270	5.46
16)	2,2'-oxybis(1-...	1.432	1.371	1.272	1.293	1.330	1.300	1.279	1.325	4.35
17)	2-Methylphenol	1.293	1.214	1.092	1.133	1.157	1.126	1.091	1.158	6.28
18)	Hexachloroethane	0.672	0.629	0.584	0.603	0.607	0.595	0.572	0.609	5.47
19) P	n-Nitroso-di-n...	1.116	1.050	0.948	0.963	1.016	0.987	0.978	1.008	5.80
20)	3+4-Methylphenols	1.717	1.508	1.372	1.401	1.427	1.365	1.309	1.443	9.41
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.582	0.542	0.476	0.503	0.496	0.492	0.467	0.508	7.95
23) S	Nitrobenzene-d5	0.404	0.397	0.365	0.382	0.383	0.373	0.361	0.381	4.16
24)	Nitrobenzene	0.400	0.393	0.359	0.378	0.378	0.370	0.354	0.376	4.41
25)	Isophorone	0.752	0.697	0.624	0.655	0.670	0.660	0.661	0.674	5.99
26) C	2-Nitrophenol	0.149	0.160	0.156	0.166	0.170	0.167	0.162	0.161	4.43
27)	2,4-Dimethylph...	0.282	0.267	0.243	0.255	0.252	0.251	0.243	0.256	5.49
28)	bis(2-Chloroet...	0.469	0.444	0.386	0.407	0.406	0.399	0.396	0.415	7.23
29) C	2,4-Dichloroph...	0.287	0.284	0.260	0.268	0.266	0.262	0.252	0.268	4.73
30)	1,2,4-Trichlor...	0.327	0.313	0.275	0.287	0.282	0.277	0.269	0.290	7.44
31)	Naphthalene	1.099	1.039	0.920	0.952	0.928	0.915	0.880	0.962	8.10
32)	Benzoic acid	0.135	0.148	0.166	0.189	0.205	0.207	0.211	0.180	17.07
33)	4-Chloroaniline	0.480	0.463	0.408	0.424	0.416	0.407	0.389	0.427	7.66
34) C	Hexachlorobuta...	0.185	0.174	0.157	0.164	0.160	0.159	0.152	0.164	6.94
35)	Caprolactam	0.097	0.092	0.085	0.090	0.089	0.087	0.095	0.091	4.56
36) C	4-Chloro-3-met...	0.353	0.330	0.295	0.309	0.307	0.303	0.294	0.313	6.82
37)	2-Methylnaphth...	0.759	0.696	0.613	0.638	0.622	0.614	0.594	0.648	9.06
38)	1-Methylnaphth...	0.716	0.644	0.573	0.593	0.589	0.576	0.556	0.607	9.17

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.588	0.560	0.492	0.508	0.509	0.482	0.476	0.516	8.13	
41) P	Hexachlorocycl...	0.128	0.161	0.177	0.202	0.228	0.226	0.238	0.194	20.86	
42) S	2,4,6-Tribromo...	0.184	0.176	0.161	0.162	0.165	0.163	0.159	0.167	5.41	
43) C	2,4,6-Trichlor...	0.377	0.369	0.335	0.345	0.352	0.345	0.330	0.350	4.91	
44)	2,4,5-Trichlor...	0.426	0.404	0.350	0.369	0.368	0.354	0.349	0.374	7.88	
45) S	2-Fluorobiphenyl	1.570	1.413	1.220	1.243	1.210	1.165	1.133	1.279	12.21	
46)	1,1'-Biphenyl	1.840	1.705	1.486	1.541	1.516	1.462	1.432	1.569	9.48	
47)	2-Chloronaphth...	1.455	1.343	1.174	1.206	1.189	1.162	1.138	1.238	9.42	
48)	2-Nitroaniline	0.405	0.403	0.373	0.404	0.407	0.402	0.386	0.397	3.21	
49)	Acenaphthylene	2.163	2.015	1.782	1.824	1.800	1.744	1.656	1.855	9.39	
50)	Dimethylphthalate	1.611	1.477	1.347	1.374	1.386	1.358	1.361	1.416	6.79	
51)	2,6-Dinitrotol...	0.299	0.291	0.274	0.292	0.292	0.289	0.281	0.288	2.85	
52) C	Acenaphthene	1.276	1.181	1.053	1.074	1.071	1.034	1.006	1.099	8.67	
53)	3-Nitroaniline	0.385	0.371	0.351	0.373	0.365	0.354	0.348	0.364	3.75	
54) P	2,4-Dinitrophenol	0.059	0.076	0.093	0.109	0.125	0.123	0.131	0.102	26.50	
55)	Dibenzofuran	1.936	1.765	1.548	1.594	1.556	1.518	1.438	1.622	10.49	
56) P	4-Nitrophenol	0.211	0.225	0.229	0.248	0.255	0.244	0.239	0.236	6.43	
57)	2,4-Dinitrotol...	0.366	0.372	0.365	0.393	0.383	0.378	0.363	0.374	2.98	
58)	Fluorene	1.525	1.425	1.252	1.281	1.257	1.226	1.183	1.307	9.35	
59)	2,3,4,6-Tetrac...	0.310	0.301	0.282	0.280	0.282	0.277	0.273	0.287	4.83	
60)	Diethylphthalate	1.609	1.494	1.334	1.353	1.329	1.308	1.325	1.393	8.19	
61)	4-Chlorophenyl...	0.670	0.604	0.549	0.553	0.545	0.521	0.515	0.565	9.66	
62)	4-Nitroaniline	0.401	0.396	0.366	0.375	0.385	0.367	0.359	0.378	4.21	
63)	Azobenzene	1.625	1.535	1.357	1.386	1.379	1.353	1.325	1.423	7.88	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.056	0.069	0.078	0.090	0.099	0.096	0.100	0.084	20.19	
66) c	n-Nitrosodiphe...	0.811	0.740	0.642	0.673	0.673	0.660	0.637	0.691	9.09	
67)	4-Bromophenyl-...	0.233	0.216	0.191	0.202	0.197	0.197	0.194	0.204	7.27	
68)	Hexachlorobenzene	0.256	0.235	0.205	0.223	0.219	0.214	0.211	0.223	7.73	
69)	Atrazine	0.227	0.203	0.173	0.177	0.147	0.142	0.119	0.170	21.82	
70) C	Pentachlorophenol	0.094	0.100	0.099	0.107	0.111	0.114	0.108	0.105	6.79	
71)	Phenanthrene	1.352	1.226	1.073	1.133	1.069	1.074	1.024	1.136	10.13	
72)	Anthracene	1.394	1.237	1.098	1.138	1.099	1.103	1.050	1.160	10.22	
73)	Carbazole	1.297	1.186	1.052	1.097	1.048	1.036	0.990	1.101	9.62	
74)	Di-n-butylphth...	1.518	1.398	1.247	1.279	1.233	1.243	1.251	1.310	8.23	
75) C	Fluoranthene	1.392	1.269	1.115	1.158	1.115	1.092	1.030	1.167	10.53	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.958	0.884	0.618	0.531	0.612	0.476	0.432	0.644	31.28	
78)	Pyrene	1.865	1.698	1.492	1.636	1.711	1.724	1.620	1.678	6.80	
79) S	Terphenyl-d14	1.212	1.100	0.963	1.030	1.059	1.102	1.022	1.070	7.40	
80)	Butylbenzylpht...	0.837	0.768	0.716	0.772	0.816	0.818	0.825	0.793	5.44	
81)	Benzo(a)anthra...	1.522	1.394	1.236	1.307	1.334	1.311	1.250	1.336	7.27	
82)	3,3'-Dichlorob...	0.527	0.480	0.403	0.411	0.393	0.370	0.431		13.87	
83)	Chrysene	1.543	1.380	1.201	1.272	1.266	1.264	1.196	1.303	9.36	
84)	Bis(2-ethylhex...	1.096	1.011	0.924	0.983	1.027	1.036	1.080	1.022	5.70	
85) c	Di-n-octyl pht...	1.786	1.648	1.496	1.517	1.564	1.542	1.711	1.609	6.75	
86)	Indeno(1,2,3-c...	1.238	0.936	0.794	0.874	0.973	0.946	0.894	0.951	14.69	

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.294	1.300	1.101	1.221	1.166	1.233	1.166	1.211		5.98
89)	Benzo(k)fluora...	1.308	1.230	1.119	1.149	1.145	1.037	1.044	1.148		8.44
90) C	Benzo(a)pyrene	1.189	1.128	0.998	1.042	1.052	1.036	0.997	1.063		6.66
91)	Dibenzo(a,h)an...	0.927	0.811	0.719	0.838	0.905	0.885	0.844	0.847		8.21
92)	Benzo(g,h,i)pe...	0.900	0.780	0.705	0.837	0.926	0.901	0.858	0.844		9.27

(#) = Out of Range