

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
 Method File : 8270-BF070519.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 05 14:57:35 2019
 Response Via : Initial Calibration

Calibration Files

10 =BF115384.D 20 =BF115385.D 40 =BF115386.D 50 =BF115387.D 60 =BF115388.D 80 =BF115389.D 100 =BF115390.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.691	0.624	0.608	0.640	0.629	0.630	0.624	0.635	4.15
3)	Pyridine	1.941	1.730	1.666	1.752	1.738	1.722	1.740	1.756	4.92
4)	n-Nitrosodimet...	0.774	0.697	0.691	0.712	0.705	0.704	0.700	0.712	3.98
5) S	2-Fluorophenol	1.503	1.349	1.258	1.286	1.263	1.208	1.193	1.294	8.14
6)	Aniline	2.563	2.351	2.297	2.325	2.316	2.228	2.182	2.323	5.21
7) S	Phenol-d6	1.923	1.704	1.614	1.641	1.608	1.542	1.493	1.646	8.47
8)	2-Chlorophenol	1.659	1.504	1.451	1.482	1.436	1.363	1.338	1.462	7.24
9)	Benzaldehyde	1.331	1.148	0.938	0.945	0.880		1.049		17.91
10) C	Phenol	2.232	2.029	1.930	1.994	1.944	1.863	1.796	1.970	7.08
11)	bis(2-Chloroet...	1.632	1.486	1.437	1.458	1.446	1.404	1.365	1.461	5.81
12)	1,3-Dichlorobe...	1.858	1.665	1.577	1.612	1.560	1.498	1.439	1.601	8.42
13) C	1,4-Dichlorobe...	1.868	1.679	1.566	1.603	1.574	1.502	1.437	1.604	8.66
14)	1,2-Dichlorobe...	1.784	1.595	1.457	1.499	1.441	1.340	1.279	1.485	11.25
15)	Benzyl Alcohol	1.497	1.338	1.312	1.338	1.318	1.230	1.214	1.321	7.01
16)	2,2'-oxybis(1-...	2.343	2.102	1.992	2.053	2.009	1.929	1.875	2.043	7.44
17)	2-Methylphenol	1.387	1.242	1.232	1.250	1.237	1.214	1.204	1.252	4.92
18)	Hexachloroethane	0.645	0.607	0.584	0.608	0.595	0.581	0.564	0.598	4.33
19) P	n-Nitroso-di-n...	1.267	1.124	1.086	1.102	1.100	1.055	1.062	1.114	6.42
20)	3+4-Methylphenols	1.794	1.609	1.491	1.486	1.416	1.305	1.253	1.479	12.40
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.582	0.517	0.469	0.476	0.465	0.430	0.415	0.479	11.67
23) S	Nitrobenzene-d5	0.340	0.337	0.331	0.346	0.350	0.337	0.328	0.339	2.30
24)	Nitrobenzene	0.402	0.387	0.375	0.390	0.390	0.367	0.364	0.382	3.62
25)	Isophorone	0.819	0.737	0.704	0.722	0.731	0.713	0.710	0.734	5.37
26) C	2-Nitrophenol	0.121	0.136	0.156	0.169	0.173	0.173	0.173	0.157	13.43
27)	2,4-Dimethylph...	0.338	0.306	0.289	0.299	0.296	0.290	0.281	0.300	6.25
28)	bis(2-Chloroet...	0.517	0.469	0.435	0.450	0.451	0.428	0.417	0.452	7.35
29) C	2,4-Dichloroph...	0.328	0.307	0.291	0.300	0.297	0.287	0.279	0.298	5.40
30)	1,2,4-Trichlor...	0.378	0.347	0.323	0.336	0.329	0.313	0.299	0.332	7.69
31)	Naphthalene	1.211	1.085	0.972	0.980	0.960	0.895	0.852	0.993	12.13
32)	Benzoic acid	0.154	0.169	0.211	0.221	0.204	0.234	0.239	0.205	15.70
33)	4-Chloroaniline	0.506	0.458	0.432	0.440	0.434	0.420	0.414	0.443	6.98
34) C	Hexachlorobuta...	0.216	0.200	0.184	0.190	0.187	0.177	0.166	0.188	8.52
35)	Caprolactam	0.104	0.092	0.096	0.095	0.094	0.093	0.105	0.097	5.44
36) C	4-Chloro-3-met...	0.355	0.324	0.312	0.313	0.309	0.298	0.299	0.316	6.09
37)	2-Methylnaphth...	0.806	0.721	0.656	0.658	0.644	0.593	0.569	0.664	11.99

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38)	1-Methylnaphth...	0.773	0.686	0.623	0.629	0.615	0.569	0.539	0.634	12.17
39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.678	0.625	0.565	0.585	0.551	0.533	0.492	0.575	10.68
41) P	Hexachlorocycl...	0.348	0.340	0.324	0.347	0.336	0.330	0.308	0.333	4.24
42) S	2,4,6-Tribromo...	0.250	0.228	0.222	0.222	0.215	0.209	0.202	0.221	6.98
43) C	2,4,6-Trichlor...	0.441	0.428	0.412	0.430	0.413	0.417	0.391	0.419	3.82
44)	2,4,5-Trichlor...	0.471	0.442	0.429	0.439	0.435	0.420	0.404	0.434	4.77
45) S	2-Fluorobiphenyl	1.400	1.172	1.192	1.103	1.030	0.942	1.140		13.82
46)	1,1'-Biphenyl	1.939	1.741	1.534	1.582	1.509	1.400	1.301	1.572	13.54
47)	2-Chloronaphth...	1.521	1.379	1.275	1.315	1.259	1.223	1.125	1.299	9.66
48)	2-Nitroaniline	0.336	0.362	0.389	0.400	0.395	0.401	0.390	0.382	6.34
49)	Acenaphthylene	2.402	2.124	1.928	1.956	1.873	1.797	1.692	1.967	11.91
50)	Dimethylphthalate	1.790	1.601	1.481	1.497	1.420	1.391	1.327	1.501	10.28
51)	2,6-Dinitrotol...	0.319	0.318	0.327	0.333	0.326	0.330	0.326	0.326	1.70
52) C	Acenaphthene	1.473	1.316	1.224	1.240	1.183	1.152	1.079	1.238	10.27
53)	3-Nitroaniline	0.377	0.374	0.385	0.387	0.373	0.377	0.374	0.378	1.44
54) P	2,4-Dinitrophenol	0.065	0.080	0.112	0.120	0.130	0.143	0.147	0.114	27.28
55)	Dibenzofuran	2.147	1.906	1.715	1.748	1.659	1.580	1.456	1.744	12.96
56) P	4-Nitrophenol	0.277	0.279	0.300	0.300	0.294	0.302	0.295	0.293	3.51
57)	2,4-Dinitrotol...	0.372	0.390	0.423	0.427	0.430	0.431	0.422	0.414	5.59
58)	Fluorene	1.686	1.436	1.277	1.279	1.197		1.375		14.13
59)	2,3,4,6-Tetrac...	0.419	0.389	0.378	0.380	0.370	0.357	0.333	0.375	7.05
60)	Diethylphthalate	1.778	1.564	1.479	1.476	1.413	1.358	1.275	1.478	10.94
61)	4-Chlorophenyl...	0.836	0.723	0.644	0.644	0.611	0.568		0.671	14.26
62)	4-Nitroaniline	0.375	0.355	0.383	0.374	0.370	0.374	0.368	0.371	2.30
63)	Azobenzene	1.839	1.631	1.519	1.509	1.442	1.399	1.322	1.523	11.19
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.053	0.065	0.087	0.093	0.100	0.105	0.106	0.087	23.67
66) c	n-Nitrosodiphe...	0.735	0.671	0.613	0.634	0.626	0.587	0.547	0.630	9.57
67)	4-Bromophenyl-...	0.253	0.236	0.216	0.226	0.227	0.209	0.205	0.224	7.33
68)	Hexachlorobenzene	0.292	0.268	0.244	0.251	0.250	0.231	0.226	0.252	8.95
69)	Atrazine	0.236	0.216	0.198	0.198	0.192	0.168	0.157	0.195	13.76
70) C	Pentachlorophenol	0.156	0.153	0.155	0.159	0.158	0.149	0.145	0.153	3.17
71)	Phenanthrene	1.317	1.148	1.024	1.038	1.017	0.930	0.890	1.052	13.60
72)	Anthracene	1.312	1.160	1.028	1.046	1.016	0.944	0.877	1.055	13.59
73)	Carbazole	1.189	1.040	0.949	0.950	0.933	0.865	0.829	0.965	12.39
74)	Di-n-butylphth...	1.441	1.302	1.151	1.160	1.136	1.027	0.947	1.166	14.13
75) C	Fluoranthene	1.389	1.207	1.091	1.096	1.058	0.984	0.929	1.108	13.75
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.933	0.782	0.761	0.681	0.742		0.780		11.98
78)	Pyrene	1.767	1.635	1.488	1.539	1.533	1.455	1.471	1.555	7.11
79) S	Terphenyl-d14	1.235	1.088	0.920	0.946	0.934	0.844	0.870	0.977	14.13
80)	Butylbenzylphth...	0.692	0.677	0.667	0.685	0.693	0.669	0.674	0.680	1.52
81)	Benzo(a)anthra...	1.585	1.391	1.240	1.250	1.223	1.158	1.123	1.281	12.36
82)	3,3'-Dichlorob...	0.549	0.505	0.480	0.470	0.449	0.416	0.386	0.465	11.68

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83)	Chrysene	1.544	1.382	1.287	1.298	1.301	1.231	1.173	1.317	9.08
84)	Bis(2-ethylhex...	1.016	0.922	0.802	0.832	0.811	0.762	0.745	0.842	11.39
85) c	Di-n-octyl pht...	1.652	1.543	1.484	1.533	1.500	1.426	1.349	1.498	6.36
86)	Indeno(1,2,3-c...	1.508	1.198	1.093	1.144	1.039	0.997	0.999	1.140	15.68
87) I	Perylene-d12	-----ISTD-----								
88)	Benzo(b)fluora...	1.388	1.279	1.292	1.308	1.272	1.249	1.327	1.302	3.49
89)	Benzo(k)fluora...	1.233	1.173	1.085	1.155	1.202	1.189	1.070	1.158	5.19
90) C	Benzo(a)pyrene	1.215	1.129	1.087	1.127	1.127	1.104	1.073	1.123	4.10
91)	Dibenzo(a,h)an...	1.167	0.970	0.878	0.965	0.916	0.885	0.937	0.960	10.23
92)	Benzo(g,h,i)pe...	1.087	0.898	0.798	0.915	0.860	0.849	0.950	0.908	10.23

(#) = Out of Range