

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF032321.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 24 12:51:15 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123398.D 10 =BF123399.D 20 =BF123400.D 40 =BF123401.D 50 =BF123402.D 60 =BF123403.D 80 =BF123404.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.614	0.755	0.595	0.587	0.546	0.519	0.501	0.588	14.35
3)	Pyridine	1.581	1.985	1.579	1.524	1.438	1.381	1.336	1.546	13.93
4)	n-Nitrosodimet...	0.934	1.123	0.931	0.934	0.878	0.857	0.818	0.925	10.62
5) S	2-Fluorophenol	1.340	1.613	1.288	1.191	1.096	1.046	0.984	1.223	17.54
6)	Aniline	2.005	2.487	1.973	1.983	1.893	1.868	1.731	1.991	11.94
7) S	Phenol-d6	1.767	2.129	1.688	1.593	1.477	1.420	1.318	1.627	16.59
8)	2-Chlorophenol	1.461	1.780	1.404	1.316	1.217	1.167	1.092	1.348	17.10
9)	Benzaldehyde	1.122	1.247	0.858	0.787	0.693	0.639		0.891	27.22
10) C	Phenol	1.815	2.193	1.744	1.632	1.504	1.453	1.353	1.670	16.87
11)	bis(2-Chloroet...	1.424	1.695	1.394	1.313	1.225	1.185	1.087	1.332	14.93
12)	1,3-Dichlorobe...	1.584	1.890	1.529	1.410	1.327	1.271	1.172	1.455	16.45
13) C	1,4-Dichlorobe...	1.574	1.918	1.514	1.419	1.328	1.264	1.167	1.455	17.05
14)	1,2-Dichlorobe...	1.473	1.807	1.418	1.314	1.221	1.161	1.067	1.351	18.18
15)	Benzyl Alcohol	1.262	1.558	1.311	1.303	1.205	1.188	1.091	1.274	11.49
16)	2,2'-oxybis(1-...	3.113	3.759	3.063	2.989	2.801	2.739	2.462	2.989	13.58
17)	2-Methylphenol	1.117	1.407	1.152	1.103	1.038	1.013	0.929	1.108	13.67
18)	Hexachloroethane	0.550	0.695	0.560	0.551	0.513	0.493	0.455	0.545	13.94
19) P	n-Nitroso-di-n...	1.079	1.307	1.084	1.046	0.992	0.977	0.885	1.053	12.51
20)	3+4-Methylphenols	1.466	1.824	1.472	1.360	1.250	1.196	1.095	1.381	17.38
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.546	0.651	0.531	0.480	0.454	0.440	0.412	0.502	16.21
23) S	Nitrobenzene-d5	0.312	0.438	0.387	0.382	0.369	0.361	0.345	0.371	10.54
24)	Nitrobenzene	0.380	0.496	0.427	0.413	0.397	0.383	0.372	0.410	10.39
25)	Isophorone	0.773	0.965	0.818	0.790	0.762	0.759	0.709	0.797	10.20
26) C	2-Nitrophenol	0.085	0.144	0.144	0.163	0.163	0.166	0.160	0.146	19.65
27)	2,4-Dimethylph...	0.326	0.404	0.338	0.323	0.308	0.296	0.285	0.326	12.00
28)	bis(2-Chloroet...	0.431	0.527	0.449	0.428	0.402	0.397	0.371	0.429	11.73
29) C	2,4-Dichloroph...	0.299	0.394	0.331	0.319	0.305	0.300	0.288	0.320	11.18
30)	1,2,4-Trichlor...	0.363	0.439	0.367	0.344	0.320	0.314	0.295	0.349	13.70
31)	Naphthalene	1.178	1.374	1.145	1.042	0.976	0.936	0.876	1.075	15.85
32)	Benzoic acid		0.140	0.164	0.201	0.211	0.220	0.218	0.192	17.03
33)	4-Chloroaniline	0.455	0.544	0.464	0.435	0.407	0.400	0.382	0.441	12.33
34) C	Hexachlorobuta...	0.208	0.267	0.224	0.212	0.202	0.194	0.182	0.213	12.98
35)	Caprolactam	0.079	0.106	0.097	0.100	0.096	0.095	0.100	0.096	8.67
36) C	4-Chloro-3-met...	0.317	0.403	0.352	0.339	0.321	0.316	0.300	0.335	10.21
37)	2-Methylnaphth...	0.788	0.928	0.791	0.714	0.681	0.651	0.608	0.737	14.61
38)	1-Methylnaphth...	0.730	0.881	0.741	0.672	0.637	0.613	0.570	0.692	14.96

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.631	0.785	0.616	0.564	0.543	0.532	0.496	0.595	16.15
41) P	Hexachlorocycl...	0.278	0.404	0.330	0.337	0.335	0.332	0.311	0.332	11.37
42) S	2,4,6-Tribromo...	0.191	0.262	0.224	0.230	0.225	0.224	0.209	0.224	9.57
43) C	2,4,6-Trichlor...	0.375	0.518	0.426	0.410	0.406	0.404	0.378	0.417	11.55
44)	2,4,5-Trichlor...	0.404	0.550	0.439	0.433	0.431	0.419	0.389	0.438	11.99
45) S	2-Fluorobiphenyl	1.548	1.840	1.439	1.239	1.189	1.145		1.400	18.97
46)	1,1'-Biphenyl	1.663	2.052	1.623	1.445	1.400	1.342	1.264	1.541	17.34
47)	2-Chloronaphth...	1.367	1.659	1.306	1.178	1.142	1.119	1.032	1.257	16.74
48)	2-Nitroaniline	0.248	0.413	0.368	0.414	0.412	0.416	0.399	0.382	16.08
49)	Acenaphthylene	2.102	2.598	2.042	1.868	1.790	1.737	1.630	1.967	16.48
50)	Dimethylphthalate	1.464	1.765	1.449	1.381	1.337	1.316	1.232	1.421	12.07
51)	2,6-Dinitrotol...	0.210	0.352	0.308	0.311	0.305	0.305	0.286	0.297	14.51
52) C	Acenaphthene	1.310	1.561	1.241	1.167	1.146	1.113	1.056	1.228	13.76
53)	3-Nitroaniline	0.238	0.365	0.315	0.331	0.323	0.318	0.305	0.313	12.16
54) P	2,4-Dinitrophenol		0.067	0.073	0.116	0.128	0.141	0.142	0.111	29.95
55)	Dibenzofuran	1.928	2.299	1.850	1.671	1.597	1.548	1.462	1.765	16.26
56) P	4-Nitrophenol	0.178	0.292	0.248	0.267	0.264	0.265	0.255	0.253	14.06
57)	2,4-Dinitrotol...	0.231	0.405	0.371	0.401	0.400	0.401	0.384	0.370	16.91
58)	Fluorene	1.496	1.735	1.382	1.248	1.196	1.171	1.100	1.332	16.71
59)	2,3,4,6-Tetrac...	0.318	0.428	0.358	0.363	0.354	0.349	0.332	0.357	9.78
60)	Diethylphthalate	1.395	1.708	1.415	1.383	1.328	1.284	1.194	1.387	11.60
61)	4-Chlorophenyl...	0.698	0.852	0.665	0.620	0.599	0.588	0.536	0.651	15.84
62)	4-Nitroaniline	0.241	0.330	0.283	0.309	0.306	0.308	0.301	0.297	9.50
63)	Azobenzene	1.594	1.923	1.570	1.479	1.426	1.390	1.299	1.526	13.28
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.067	0.076	0.108	0.109	0.114	0.110	0.097	20.69
66) c	n-Nitrosodiphe...	0.706	0.856	0.710	0.649	0.614	0.595	0.560	0.670	14.76
67)	4-Bromophenyl-...	0.237	0.286	0.252	0.236	0.224	0.219	0.204	0.237	11.18
68)	Hexachlorobenzene	0.274	0.321	0.271	0.257	0.242	0.239	0.223	0.261	12.37
69)	Atrazine	0.211	0.259	0.217	0.220	0.207	0.195	0.183	0.213	11.26
70) C	Pentachlorophenol	0.108	0.174	0.162	0.170	0.160	0.162	0.155	0.156	14.18
71)	Phenanthrene	1.213	1.435	1.190	1.076	0.988	0.948	0.889	1.106	17.08
72)	Anthracene	1.206	1.447	1.199	1.086	0.993	0.956	0.897	1.112	16.98
73)	Carbazole	1.132	1.374	1.098	1.042	0.938	0.910	0.860	1.051	16.59
74)	Di-n-butylphth...	1.159	1.497	1.293	1.216	1.120	1.092	0.996	1.196	13.57
75) C	Fluoranthene	1.275	1.572	1.239	1.190	1.065	1.049	0.989	1.197	16.41
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.678	0.752	0.440	0.605	0.551	0.549		0.596	18.33
78)	Pyrene	1.666	2.091	1.856	1.695	1.642	1.624	1.503	1.725	11.14
79) S	Terphenyl-d14	1.180	1.425	1.301	1.156	1.111	1.093	0.994	1.180	12.09
80)	Butylbenzylpht...	0.441	0.664	0.668	0.719	0.680	0.687	0.620	0.640	14.45
81)	Benzo(a)anthra...	1.357	1.658	1.376	1.301	1.190	1.174	1.107	1.309	14.02
82)	3,3'-Dichlorob...	0.391	0.537	0.436	0.460	0.406	0.392	0.359	0.426	13.85
83)	Chrysene	1.395	1.695	1.412	1.349	1.252	1.218	1.140	1.351	13.36
84)	Bis(2-ethylhex...	0.693	0.930	0.885	0.917	0.848	0.861	0.762	0.842	10.19
85) c	Di-n-octyl pht...	0.981	1.445	1.385	1.504	1.359	1.402	1.245	1.332	13.07

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.075	1.396	1.271	1.151	1.257	1.238	1.313	1.243	8.44	
88)	Benzo(b)fluora...	1.284	1.629	1.440	1.433	1.307	1.253	1.313	1.380	9.53	
89)	Benzo(k)fluora...	1.306	1.664	1.323	1.299	1.230	1.215	1.095	1.304	13.54	
90) C	Benzo(a)pyrene	1.107	1.444	1.227	1.199	1.135	1.130	1.096	1.191	10.17	
91)	Dibenzo(a,h)an...	0.915	1.198	1.089	0.994	1.062	1.030	1.098	1.055	8.42	
92)	Benzo(g,h,i)pe...	0.928	1.190	1.082	0.948	1.052	1.041	1.152	1.056	9.14	

(#) = Out of Range