

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF011025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jan 10 22:54:19 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141109.D 5 =BF141110.D 10 =BF141111.D 20 =BF141112.D 40 =BF141113.D 50 =BF141117.D 60 =BF141118.D 80 =BF141119.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.616	0.596	0.598	0.563	0.573	0.564	0.525	0.577	5.24	
3)	Pyridine	1.579	1.520	1.486	1.360	1.364	1.346	1.242	1.414	8.34	
4)	n-Nitrosodimet...	0.716	0.715	0.709	0.678	0.688	0.688	0.644	0.691	3.71	
5) S	2-Fluorophenol	1.453	1.400	1.378	1.248	1.236	1.227	1.121	1.295	9.11	
6)	Aniline	1.656	1.583	1.561	1.424	1.385	1.360	1.222	1.456	10.39	
7) S	Phenol-d6	1.834	1.773	1.736	1.566	1.569	1.547	1.454	1.640	8.56	
8)	2-Chlorophenol	1.561	1.476	1.458	1.345	1.338	1.321	1.225	1.389	8.20	
9)	Benzaldehyde	1.215	1.139	1.040	0.849	0.782	0.771		0.966	19.81	
10) C	Phenol	1.943	1.902	1.861	1.701	1.665	1.668	1.548	1.756	8.38	
11)	bis(2-Chloroet...	1.445	1.372	1.363	1.256	1.279	1.264	1.178	1.308	6.86	
12)	1,3-Dichlorobe...	1.714	1.662	1.648	1.476	1.506	1.466	1.372	1.549	8.14	
13) C	1,4-Dichlorobe...	1.766	1.653	1.668	1.495	1.495	1.480	1.370	1.561	8.81	
14)	1,2-Dichlorobe...	1.670	1.579	1.572	1.382	1.388	1.363	1.239	1.456	10.50	
15)	Benzyl Alcohol	1.291	1.240	1.244	1.158	1.164	1.144	1.048	1.184	6.85	
16)	2,2'-oxybis(1-...	2.046	1.913	1.939	1.766	1.746	1.730	1.640	1.826	7.82	
17)	2-Methylphenol	1.209	1.175	1.182	1.088	1.091	1.077	1.027	1.121	6.00	
18)	Hexachloroethane	0.610	0.591	0.595	0.548	0.551	0.550	0.507	0.565	6.35	
19) P	n-Nitroso-di-n...	1.062	1.068	1.011	1.009	0.906	0.915	0.902	0.854	0.966	8.40
20)	3+4-Methylphenols	1.631	1.529	1.527	1.375	1.342	1.319	1.180	1.415	10.93	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.539	0.516	0.507	0.445	0.455	0.449	0.417	0.475	9.43	
23) S	Nitrobenzene-d5	0.400	0.390	0.394	0.365	0.370	0.372	0.349	0.377	4.82	
24)	Nitrobenzene	0.419	0.410	0.411	0.377	0.384	0.388	0.364	0.393	5.20	
25)	Isophorone	0.692	0.668	0.674	0.617	0.629	0.628	0.605	0.645	5.09	
26) C	2-Nitrophenol	0.161	0.173	0.190	0.178	0.184	0.187	0.179	0.179	5.30	
27)	2,4-Dimethylph...	0.252	0.244	0.250	0.236	0.239	0.238	0.229	0.241	3.27	
28)	bis(2-Chloroet...	0.435	0.419	0.430	0.387	0.393	0.393	0.377	0.405	5.61	
29) C	2,4-Dichloroph...	0.296	0.296	0.300	0.277	0.286	0.284	0.266	0.287	4.31	
30)	1,2,4-Trichlor...	0.356	0.344	0.348	0.314	0.317	0.316	0.299	0.328	6.49	
31)	Naphthalene	1.178	1.126	1.131	0.998	1.023	0.997	0.929	1.055	8.60	
32)	Benzoic acid	0.182	0.211	0.231	0.238	0.251	0.258	0.250	0.231	11.68	
33)	4-Chloroaniline	0.397	0.390	0.386	0.345	0.349	0.355	0.331	0.365	7.09	
34) C	Hexachlorobuta...	0.213	0.207	0.208	0.188	0.194	0.191	0.180	0.197	6.17	
35)	Caprolactam	0.096	0.092	0.099	0.091	0.094	0.094	0.091	0.094	3.00	
36) C	4-Chloro-3-met...	0.331	0.322	0.327	0.302	0.313	0.307	0.293	0.313	4.39	
37)	2-Methylnaphth...	0.751	0.719	0.710	0.638	0.654	0.637	0.595	0.672	8.30	
38)	1-Methylnaphth...	0.747	0.712	0.710	0.625	0.635	0.627	0.581	0.662	9.11	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.632	0.601	0.604	0.554	0.552	0.554	0.520	0.574	6.83	
41) P	Hexachlorocycl...	0.170	0.181	0.201	0.200	0.189	0.191	0.182	0.188	5.74	
42) S	2,4,6-Tribromo...	0.233	0.233	0.235	0.219	0.230	0.226	0.220	0.228	2.96	
43) C	2,4,6-Trichlor...	0.399	0.384	0.412	0.380	0.382	0.377	0.377	0.387	3.37	
44)	2,4,5-Trichlor...	0.429	0.419	0.418	0.401	0.411	0.407	0.377	0.409	4.07	
45) S	2-Fluorobiphenyl	1.582	1.459	1.408	1.225	1.224	1.176	1.094	1.310	13.42	
46)	1,1'-Biphenyl	1.761	1.671	1.654	1.490	1.491	1.452	1.354	1.553	9.28	
47)	2-Chloronaphth...	1.345	1.288	1.273	1.164	1.174	1.145	1.079	1.210	7.78	
48)	2-Nitroaniline	0.360	0.358	0.365	0.351	0.365	0.365	0.347	0.359	2.04	
49)	Acenaphthylene	1.915	1.820	1.830	1.660	1.678	1.654	1.540	1.728	7.54	
50)	Dimethylphthalate	1.447	1.406	1.404	1.299	1.318	1.292	1.232	1.343	5.76	
51)	2,6-Dinitrotol...	0.308	0.317	0.328	0.312	0.315	0.312	0.294	0.312	3.27	
52) C	Acenaphthene	1.317	1.267	1.274	1.165	1.185	1.160	1.086	1.208	6.69	
53)	3-Nitroaniline	0.321	0.324	0.333	0.316	0.320	0.312	0.295	0.317	3.73	
54) P	2,4-Dinitrophenol		0.097	0.133	0.155	0.168	0.167	0.171	0.148	19.39	
55)	Dibenzofuran	1.866	1.736	1.738	1.586	1.585	1.546	1.440	1.642	8.77	
56) P	4-Nitrophenol	0.224	0.241	0.255	0.250	0.264	0.258	0.248	0.248	5.29	
57)	2,4-Dinitrotol...	0.372	0.401	0.423	0.395	0.424	0.411	0.390	0.402	4.69	
58)	Fluorene	1.488	1.403	1.359	1.197	1.213	1.182	1.091	1.276	11.13	
59)	2,3,4,6-Tetrac...	0.353	0.358	0.354	0.332	0.333	0.337	0.313	0.340	4.72	
60)	Diethylphthalate	1.416	1.397	1.378	1.253	1.289	1.257	1.186	1.311	6.64	
61)	4-Chlorophenyl...	0.709	0.672	0.663	0.594	0.593	0.584	0.540	0.622	9.65	
62)	4-Nitroaniline	0.314	0.312	0.315	0.300	0.323	0.315	0.295	0.311	3.12	
63)	Azobenzene	1.430	1.363	1.353	1.245	1.264	1.233	1.166	1.293	7.05	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.077	0.095	0.120	0.129	0.130	0.132	0.128	0.116	18.43	
66) c	n-Nitrosodiphe...	0.706	0.677	0.683	0.651	0.603	0.622	0.574	0.645	7.39	
67)	4-Bromophenyl-...	0.241	0.237	0.238	0.232	0.220	0.229	0.215	0.230	4.20	
68)	Hexachlorobenzene	0.273	0.263	0.266	0.257	0.244	0.252	0.239	0.256	4.81	
69)	Atrazine	0.213	0.201	0.170	0.141	0.184	0.169	0.138	0.174	16.26	
70) C	Pentachlorophenol	0.142	0.162	0.171	0.173	0.169	0.171	0.160	0.164	6.59	
71)	Phenanthrene	1.218	1.152	1.122	1.064	1.014	1.012	0.935	1.074	8.98	
72)	Anthracene	1.162	1.111	1.095	1.042	0.994	0.997	0.908	1.044	8.22	
73)	Carbazole	1.052	1.025	1.011	0.944	0.935	0.901	0.833	0.957	8.09	
74)	Di-n-butylphth...	1.186	1.177	1.139	1.087	1.079	1.043	0.958	1.096	7.33	
75) C	Fluoranthene	1.211	1.188	1.104	1.037	1.051	0.987	0.923	1.071	9.70	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.380	0.309	0.310	0.409	0.340	0.418	0.430	0.371	13.83	
78)	Pyrene	1.952	1.977	2.081	1.848	1.839	1.955	1.720	1.910	6.14	
79) S	Terphenyl-d14	1.444	1.424	1.483	1.272	1.280	1.352	1.164	1.346	8.44	
80)	Butylbenzylpht...	0.583	0.629	0.663	0.614	0.677	0.669	0.623	0.637	5.39	
81)	Benzo(a)anthra...	1.473	1.420	1.427	1.245	1.329	1.367	1.266	1.361	6.28	
82)	3,3'-Dichlorob...	0.434	0.422	0.444	0.418	0.426	0.441	0.448	0.433	2.72	
83)	Chrysene	1.382	1.316	1.336	1.207	1.237	1.238	1.200	1.274	5.54	
84)	Bis(2-ethylhex...	0.734	0.768	0.807	0.726	0.819	0.783	0.712	0.764	5.41	
85) c	Di-n-octyl pht...	0.950	1.039	1.169	1.151	1.235	1.244	1.291	1.154	10.51	

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86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.472 1.420 1.558 1.472 1.421 1.539 1.374 1.465	4.55
88)	Benzo(b)fluora...	1.461 1.415 1.290 1.201 1.315 1.191 1.156 1.290	9.03
89)	Benzo(k)fluora...	1.128 1.102 1.141 1.043 1.038 1.103 1.074 1.090	3.67
90) C	Benzo(a)pyrene	1.103 1.090 1.095 1.039 1.048 1.067 1.007 1.064	3.29
91)	Dibenzo(a,h)an...	1.174 1.178 1.262 1.197 1.150 1.247 1.088 1.185	4.95
92)	Benzo(g,h,i)pe...	1.256 1.221 1.347 1.263 1.195 1.296 1.051 1.233	7.65

(#) = Out of Range