

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF012825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jan 28 23:51:29 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141279.D 5 =BF141280.D 10 =BF141281.D 20 =BF141282.D 40 =BF141283.D 50 =BF141284.D 60 =BF141285.D 80 =BF141286.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.622	0.582	0.610	0.539	0.565	0.568	0.545	0.576	5.38	
3)	Pyridine	1.342	1.316	1.407	1.265	1.336	1.349	1.296	1.330	3.37	
4)	n-Nitrosodimet...	0.793	0.816	0.829	0.757	0.793	0.805	0.782	0.796	2.94	
5) S	2-Fluorophenol	1.430	1.405	1.400	1.202	1.230	1.223	1.162	1.293	8.77	
6)	Aniline	1.316	1.371	1.357	1.181	1.228	1.234	1.126	1.259	7.32	
7) S	Phenol-d6	1.822	1.784	1.754	1.507	1.550	1.551	1.471	1.634	8.97	
8)	2-Chlorophenol	1.544	1.501	1.503	1.291	1.326	1.320	1.230	1.388	8.97	
9)	Benzaldehyde	1.211	1.134	1.092	0.852	0.835	0.768		0.982	18.87	
10) C	Phenol	1.926	1.901	1.880	1.603	1.652	1.625	1.537	1.732	9.44	
11)	bis(2-Chloroet...	1.479	1.453	1.428	1.253	1.288	1.298	1.236	1.348	7.55	
12)	1,3-Dichlorobe...	1.734	1.669	1.654	1.415	1.465	1.433	1.368	1.534	9.58	
13) C	1,4-Dichlorobe...	1.729	1.673	1.675	1.418	1.471	1.448	1.363	1.540	9.60	
14)	1,2-Dichlorobe...	1.662	1.598	1.581	1.331	1.356	1.336	1.232	1.442	11.57	
15)	Benzyl Alcohol	1.172	1.246	1.240	1.091	1.121	1.123	1.046	1.148	6.52	
16)	2,2'-oxybis(1-...	2.564	2.553	2.506	2.174	2.265	2.233	2.119	2.345	8.09	
17)	2-Methylphenol	1.251	1.219	1.151	1.011	1.073	1.081	1.028	1.116	8.33	
18)	Hexachloroethane	0.604	0.609	0.610	0.529	0.549	0.544	0.517	0.566	7.13	
19) P	n-Nitroso-di-n...	1.041	1.058	1.031	1.028	0.875	0.912	0.916	0.861	0.965	8.48
20)	3+4-Methylphenols	1.588	1.504	1.512	1.267	1.278	1.274	1.160	1.369	11.84	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.556	0.529	0.505	0.434	0.446	0.443	0.412	0.475	11.48	
23) S	Nitrobenzene-d5	0.404	0.400	0.400	0.356	0.370	0.372	0.350	0.379	5.88	
24)	Nitrobenzene	0.411	0.410	0.412	0.371	0.384	0.392	0.361	0.392	5.28	
25)	Isophorone	0.703	0.687	0.681	0.613	0.636	0.646	0.609	0.654	5.69	
26) C	2-Nitrophenol	0.173	0.180	0.189	0.177	0.184	0.189	0.177	0.181	3.47	
27)	2,4-Dimethylph...	0.227	0.228	0.235	0.213	0.222	0.223	0.213	0.223	3.65	
28)	bis(2-Chloroet...	0.444	0.442	0.438	0.388	0.403	0.408	0.381	0.415	6.32	
29) C	2,4-Dichloroph...	0.303	0.303	0.305	0.272	0.279	0.281	0.261	0.286	5.99	
30)	1,2,4-Trichlor...	0.357	0.350	0.343	0.305	0.316	0.311	0.293	0.325	7.57	
31)	Naphthalene	1.189	1.143	1.116	0.981	1.000	0.994	0.919	1.049	9.52	
32)	Benzoic acid	0.159	0.197	0.228	0.227	0.243	0.254	0.244	0.222	14.83	
33)	4-Chloroaniline	0.346	0.348	0.339	0.303	0.324	0.335	0.315	0.330	5.03	
34) C	Hexachlorobuta...	0.212	0.202	0.207	0.182	0.185	0.186	0.172	0.192	7.60	
35)	Caprolactam	0.097	0.097	0.095	0.089	0.094	0.095	0.089	0.093	3.79	
36) C	4-Chloro-3-met...	0.328	0.326	0.327	0.294	0.300	0.306	0.282	0.309	5.99	
37)	2-Methylnaphth...	0.762	0.739	0.713	0.628	0.632	0.634	0.581	0.670	10.14	
38)	1-Methylnaphth...	0.742	0.721	0.705	0.609	0.620	0.619	0.568	0.655	10.14	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.642	0.600	0.618	0.531	0.536	0.541	0.514	0.569	8.83	
41) P	Hexachlorocycl...	0.133	0.159	0.186	0.180	0.186	0.189	0.177	0.173	11.69	
42) S	2,4,6-Tribromo...	0.213	0.221	0.221	0.196	0.196	0.202	0.182	0.204	7.03	
43) C	2,4,6-Trichlor...	0.373	0.393	0.399	0.368	0.369	0.371	0.347	0.374	4.63	
44)	2,4,5-Trichlor...	0.420	0.424	0.432	0.378	0.392	0.397	0.374	0.402	5.75	
45) S	2-Fluorobiphenyl	1.577	1.462	1.423	1.169	1.161	1.155	1.082	1.290	14.93	
46)	1,1'-Biphenyl	1.793	1.706	1.694	1.457	1.460	1.453	1.359	1.560	10.65	
47)	2-Chloronaphth...	1.363	1.287	1.295	1.135	1.141	1.143	1.069	1.205	9.03	
48)	2-Nitroaniline	0.370	0.388	0.397	0.366	0.382	0.389	0.365	0.380	3.32	
49)	Acenaphthylene	1.889	1.822	1.836	1.584	1.608	1.616	1.484	1.691	9.16	
50)	Dimethylphthalate	1.476	1.436	1.418	1.244	1.268	1.288	1.198	1.333	8.14	
51)	2,6-Dinitrotol...	0.318	0.324	0.334	0.293	0.304	0.305	0.287	0.309	5.46	
52) C	Acenaphthene	1.313	1.301	1.291	1.146	1.155	1.168	1.089	1.209	7.46	
53)	3-Nitroaniline	0.316	0.334	0.328	0.304	0.311	0.321	0.291	0.315	4.64	
54) P	2,4-Dinitrophenol		0.108	0.137	0.150	0.166	0.176	0.163	0.150	16.30	
55)	Dibenzofuran	1.812	1.777	1.763	1.517	1.515	1.536	1.396	1.617	10.13	
56) P	4-Nitrophenol	0.181	0.219	0.243	0.223	0.239	0.251	0.221	0.225	10.20	
57)	2,4-Dinitrotol...	0.381	0.422	0.432	0.378	0.388	0.403	0.356	0.394	6.65	
58)	Fluorene	1.490	1.413	1.373	1.157	1.150	1.151	1.050	1.255	13.33	
59)	2,3,4,6-Tetrac...	0.335	0.340	0.348	0.304	0.311	0.321	0.296	0.322	6.01	
60)	Diethylphthalate	1.448	1.401	1.387	1.205	1.216	1.238	1.113	1.287	9.69	
61)	4-Chlorophenyl...	0.702	0.686	0.669	0.562	0.565	0.570	0.503	0.608	12.57	
62)	4-Nitroaniline	0.283	0.311	0.326	0.292	0.304	0.314	0.274	0.301	6.14	
63)	Azobenzene	1.443	1.406	1.389	1.222	1.227	1.262	1.153	1.300	8.54	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.082	0.109	0.120	0.128	0.131	0.136	0.132	0.120	15.86	
66) c	n-Nitrosodiphe...	0.700	0.682	0.674	0.627	0.614	0.613	0.598	0.644	6.25	
67)	4-Bromophenyl-...	0.235	0.233	0.234	0.219	0.214	0.218	0.210	0.223	4.73	
68)	Hexachlorobenzene	0.274	0.262	0.260	0.243	0.238	0.241	0.231	0.250	6.35	
69)	Atrazine	0.219	0.203	0.159	0.130	0.089	0.076	0.053	0.133	48.25	
70) C	Pentachlorophenol	0.117	0.143	0.150	0.149	0.150	0.153	0.145	0.144	8.64	
71)	Phenanthrene	1.227	1.180	1.153	1.021	1.006	1.008	0.949	1.078	9.88	
72)	Anthracene	1.180	1.147	1.133	1.020	0.987	0.973	0.914	1.050	9.72	
73)	Carbazole	1.047	1.018	1.003	0.909	0.889	0.891	0.816	0.939	9.01	
74)	Di-n-butylphth...	1.241	1.220	1.193	1.057	1.051	1.046	0.951	1.108	9.85	
75) C	Fluoranthene	1.220	1.175	1.142	1.012	0.988	0.976	0.882	1.056	11.68	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.149	0.086	0.173	0.370	0.310	0.318	0.271	0.239	43.63	
78)	Pyrene	2.151	2.021	2.048	1.814	1.870	1.858	1.608	1.910	9.42	
79) S	Terphenyl-d14	1.500	1.410	1.381	1.195	1.228	1.210	1.024	1.278	12.61	
80)	Butylbenzylpht...	0.657	0.684	0.704	0.612	0.664	0.665	0.586	0.653	6.25	
81)	Benzo(a)anthra...	1.465	1.501	1.461	1.270	1.328	1.312	1.231	1.367	7.83	
82)	3,3'-Dichlorob...	0.409	0.440	0.449	0.393	0.419	0.426	0.416	0.422	4.45	
83)	Chrysene	1.406	1.327	1.306	1.152	1.268	1.295	1.228	1.283	6.22	
84)	Bis(2-ethylhex...	0.863	0.874	0.864	0.745	0.809	0.797	0.716	0.810	7.66	
85) c	Di-n-octyl pht...	1.147	1.274	1.325	1.191	1.364	1.385	1.337	1.289	6.98	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.378	1.391	1.467	1.407	1.429	1.437	1.403	1.416	2.15	
88)	Benzo(b)fluora...	1.281	1.288	1.287	1.115	1.166	1.264	1.184	1.226	5.73	
89)	Benzo(k)fluora...	1.243	1.219	1.191	1.120	1.119	1.039	0.996	1.132	8.11	
90) C	Benzo(a)pyrene	1.103	1.106	1.118	1.028	1.047	1.054	1.015	1.067	3.86	
91)	Dibenzo(a,h)an...	1.065	1.122	1.172	1.128	1.144	1.149	1.125	1.129	2.95	
92)	Benzo(g,h,i)pe...	1.187	1.190	1.250	1.199	1.211	1.233	1.187	1.208	2.06	

(#) = Out of Range