

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF020625.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Feb 06 16:58:59 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF141472.D 5 =BF141473.D 10 =BF141474.D 20 =BF141475.D 40 =BF141476.D 50 =BF141477.D 60 =BF141478.D 80 =BF141479.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.511	0.519	0.523	0.517	0.502	0.521	0.501	0.513	1.73	
3)	Pyridine	1.053	1.205	1.311	1.263	1.256	1.261	1.204	1.222	6.79	
4)	n-Nitrosodimet...	0.737	0.774	0.820	0.818	0.835	0.846	0.833	0.809	4.83	
5) S	2-Fluorophenol	1.235	1.290	1.365	1.289	1.273	1.264	1.214	1.276	3.77	
6)	Aniline	1.476	1.545	1.650	1.538	1.506	1.494	1.379	1.513	5.42	
7) S	Phenol-d6	1.619	1.629	1.704	1.613	1.599	1.585	1.538	1.612	3.13	
8)	2-Chlorophenol	1.399	1.410	1.446	1.379	1.368	1.345	1.302	1.378	3.38	
9)	Benzaldehyde	0.892	0.993	0.981	0.821	0.747	0.706		0.857	13.92	
10) C	Phenol	1.693	1.681	1.817	1.685	1.659	1.644	1.569	1.678	4.42	
11)	bis(2-Chloroet...	1.262	1.229	1.296	1.266	1.252	1.262	1.256	1.261	1.59	
12)	1,3-Dichlorobe...	1.473	1.482	1.554	1.441	1.441	1.430	1.366	1.455	3.95	
13) C	1,4-Dichlorobe...	1.546	1.538	1.571	1.471	1.465	1.439	1.379	1.487	4.59	
14)	1,2-Dichlorobe...	1.393	1.439	1.473	1.374	1.351	1.345	1.285	1.380	4.55	
15)	Benzyl Alcohol	1.191	1.251	1.322	1.262	1.248	1.218	1.163	1.236	4.19	
16)	2,2'-oxybis(1-...	2.222	2.245	2.313	2.165	2.119	2.082	1.959	2.158	5.45	
17)	2-Methylphenol	1.116	1.089	1.121	1.077	1.059	1.066	1.024	1.079	3.15	
18)	Hexachloroethane	0.539	0.545	0.589	0.553	0.556	0.544	0.526	0.550	3.59	
19) P	n-Nitroso-di-n...	0.950	0.978	0.985	1.039	0.969	0.947	0.941	0.907	0.964	4.03
20)	3+4-Methylphenols	1.442	1.417	1.459	1.372	1.344	1.319	1.244	1.371	5.52	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.517	0.502	0.521	0.493	0.483	0.488	0.478	0.498	3.35	
23) S	Nitrobenzene-d5	0.380	0.379	0.396	0.385	0.378	0.381	0.384	0.383	1.58	
24)	Nitrobenzene	0.370	0.371	0.383	0.374	0.369	0.375	0.376	0.374	1.29	
25)	Isophorone	0.611	0.594	0.633	0.611	0.601	0.617	0.614	0.611	2.04	
26) C	2-Nitrophenol	0.171	0.175	0.190	0.193	0.190	0.193	0.191	0.186	4.91	
27)	2,4-Dimethylph...	0.208	0.212	0.221	0.223	0.218	0.220	0.220	0.217	2.46	
28)	bis(2-Chloroet...	0.384	0.390	0.408	0.394	0.387	0.391	0.388	0.392	2.03	
29) C	2,4-Dichloroph...	0.286	0.287	0.312	0.296	0.290	0.292	0.292	0.294	2.95	
30)	1,2,4-Trichlor...	0.327	0.321	0.331	0.317	0.312	0.317	0.314	0.320	2.12	
31)	Naphthalene	1.067	1.041	1.096	1.037	1.012	1.022	1.012	1.041	2.98	
32)	Benzoic acid		0.186	0.217	0.229	0.233	0.243	0.246	0.226	9.70	
33)	4-Chloroaniline	0.354	0.352	0.382	0.364	0.360	0.364	0.370	0.363	2.82	
34) C	Hexachlorobuta...	0.193	0.191	0.200	0.192	0.188	0.191	0.189	0.192	2.01	
35)	Caprolactam	0.083	0.085	0.094	0.093	0.088	0.091	0.092	0.089	4.75	
36) C	4-Chloro-3-met...	0.310	0.324	0.342	0.329	0.324	0.325	0.324	0.325	2.91	
37)	2-Methylnaphth...	0.688	0.689	0.719	0.669	0.659	0.666	0.652	0.677	3.42	
38)	1-Methylnaphth...	0.680	0.657	0.691	0.656	0.637	0.640	0.631	0.656	3.40	

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.582	0.588	0.600	0.584	0.560	0.574	0.562	0.579	2.50
41) P	Hexachlorocycl...	0.138	0.180	0.204	0.205	0.214	0.214	0.192		15.36
42) S	2,4,6-Tribromo...	0.201	0.200	0.210	0.200	0.199	0.201	0.196	0.201	2.08
43) C	2,4,6-Trichlor...	0.364	0.365	0.389	0.377	0.373	0.378	0.372	0.374	2.28
44)	2,4,5-Trichlor...	0.385	0.407	0.430	0.410	0.394	0.409	0.401	0.405	3.51
45) S	2-Fluorobiphenyl	1.373	1.360	1.385	1.269	1.241	1.259	1.201	1.298	5.62
46)	1,1'-Biphenyl	1.582	1.564	1.632	1.545	1.517	1.537	1.478	1.551	3.16
47)	2-Chloronaphth...	1.167	1.161	1.211	1.135	1.114	1.136	1.103	1.147	3.18
48)	2-Nitroaniline	0.371	0.371	0.394	0.390	0.382	0.401	0.385	0.385	2.92
49)	Acenaphthylene	1.739	1.736	1.791	1.696	1.660	1.689	1.626	1.705	3.21
50)	Dimethylphthalate	1.382	1.359	1.408	1.345	1.324	1.341	1.345	1.358	2.09
51)	2,6-Dinitrotol...	0.289	0.290	0.314	0.301	0.295	0.299	0.290	0.297	3.06
52) C	Acenaphthene	1.186	1.164	1.188	1.152	1.108	1.127	1.101	1.147	3.10
53)	3-Nitroaniline	0.312	0.313	0.335	0.319	0.320	0.321	0.316	0.319	2.35
54) P	2,4-Dinitrophenol	0.133	0.167	0.177	0.185	0.198	0.198	0.176		13.83
55)	Dibenzofuran	1.768	1.722	1.774	1.673	1.633	1.634	1.576	1.683	4.44
56) P	4-Nitrophenol	0.190	0.216	0.247	0.249	0.249	0.257	0.251	0.237	10.43
57)	2,4-Dinitrotol...	0.383	0.403	0.414	0.398	0.390	0.396	0.383	0.395	2.83
58)	Fluorene	1.359	1.361	1.377	1.290	1.239	1.263	1.221	1.301	4.90
59)	2,3,4,6-Tetrac...	0.332	0.361	0.359	0.348	0.348	0.355	0.340	0.349	2.95
60)	Diethylphthalate	1.400	1.346	1.398	1.330	1.300	1.308	1.269	1.336	3.71
61)	4-Chlorophenyl...	0.661	0.643	0.659	0.622	0.602	0.611	0.585	0.626	4.66
62)	4-Nitroaniline	0.315	0.319	0.333	0.335	0.319	0.327	0.324	0.324	2.28
63)	Azobenzene	1.348	1.329	1.385	1.326	1.295	1.320	1.294	1.328	2.38
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.116	0.140	0.142	0.142	0.146	0.148	0.139		8.48
66) c	n-Nitrosodiphe...	0.650	0.653	0.674	0.627	0.625	0.625	0.627	0.640	2.97
67)	4-Bromophenyl-...	0.228	0.220	0.234	0.221	0.220	0.221	0.221	0.224	2.46
68)	Hexachlorobenzene	0.229	0.234	0.241	0.227	0.224	0.228	0.228	0.230	2.46
69)	Atrazine	0.200	0.203	0.214	0.185	0.185	0.182	0.176	0.192	7.12
70) C	Pentachlorophenol	0.116	0.131	0.151	0.154	0.158	0.159	0.160	0.147	11.68
71)	Phenanthrene	1.141	1.132	1.161	1.084	1.071	1.069	1.049	1.101	3.91
72)	Anthracene	1.168	1.126	1.158	1.082	1.084	1.071	1.057	1.107	3.99
73)	Carbazole	1.022	1.026	1.076	0.986	0.966	0.961	0.933	0.996	4.87
74)	Di-n-butylphth...	1.165	1.156	1.223	1.141	1.132	1.126	1.105	1.150	3.29
75) C	Fluoranthene	1.251	1.239	1.243	1.151	1.129	1.091	1.065	1.167	6.63
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.474	0.487	0.334	0.528	0.432	0.351	0.481	0.441	16.58
78)	Pyrene	1.528	1.557	1.717	1.745	1.774	1.807	1.789	1.703	6.67
79) S	Terphenyl-d14	1.129	1.104	1.211	1.198	1.209	1.234	1.208	1.185	4.07
80)	Butylbenzylpht...	0.525	0.540	0.605	0.609	0.603	0.623	0.624	0.590	6.83
81)	Benzo(a)anthra...	1.381	1.332	1.350	1.345	1.309	1.309	1.279	1.329	2.51
82)	3,3'-Dichlorob...	0.397	0.411	0.407	0.377	0.363	0.353	0.358	0.381	6.31
83)	Chrysene	1.187	1.223	1.314	1.201	1.215	1.224	1.229	1.228	3.34
84)	Bis(2-ethylhex...	0.593	0.610	0.685	0.689	0.680	0.697	0.702	0.665	6.68
85) c	Di-n-octyl pht...	0.802	0.814	0.910	0.965	1.010	1.051	1.090	0.949	11.82

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	0.987	1.029	1.186	1.288	1.341	1.410	1.408	1.236	14.06	
88)	Benzo(b)fluora...	1.286	1.407	1.398	1.336	1.350	1.356	1.268	1.343	3.88	
89)	Benzo(k)fluora...	1.113	1.216	1.247	1.142	1.074	1.098	1.138	1.147	5.49	
90) C	Benzo(a)pyrene	1.085	1.074	1.115	1.080	1.069	1.094	1.089	1.087	1.41	
91)	Dibenzo(a,h)an...	0.796	0.828	0.970	1.051	1.092	1.138	1.134	1.001	14.13	
92)	Benzo(g,h,i)pe...	0.805	0.864	1.001	1.100	1.144	1.203	1.218	1.048	15.60	

(#) = Out of Range