

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM091823.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Sep 19 04:49:34 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BM041889.D 5 =BM041890.D 10 =BM041891.D 20 =BM041892.D 40 =BM041893.D 50 =BM041894.D 60 =BM041895.D 80 =BM041896.D

Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.506	0.477	0.513	0.476	0.469	0.485	0.501	0.490		3.49
3) Pyridine	1.490	1.429	1.582	1.511	1.490	1.541	1.607	1.521		3.97
4) n-Nitrosodimet...	0.705	0.679	0.751	0.727	0.711	0.732	0.757	0.723		3.73
5) S 2-Fluorophenol	1.223	1.141	1.259	1.188	1.168	1.201	1.225	1.201		3.27
6) Aniline	2.121	2.056	2.298	2.210	2.193	2.262	2.322	2.209		4.33
7) S Phenol-d6	1.659	1.578	1.761	1.674	1.630	1.668	1.701	1.667		3.42
8) 2-Chlorophenol	1.326	1.261	1.402	1.334	1.312	1.352	1.371	1.337		3.36
9) Benzaldehyde		1.075	1.086	0.913	0.835	0.805		0.943		13.98
10) C Phenol	1.693	1.603	1.782	1.705	1.687	1.733	1.777	1.711		3.58
11) bis(2-Chloroet...	1.416	1.348	1.486	1.424	1.405	1.442	1.471	1.428		3.18
12) 1,3-Dichlorobe...	1.422	1.353	1.504	1.419	1.398	1.432	1.465	1.427		3.36
13) C 1,4-Dichlorobe...	1.471	1.375	1.522	1.438	1.415	1.454	1.478	1.450		3.26
14) 1,2-Dichlorobe...	1.416	1.340	1.483	1.385	1.357	1.388	1.390	1.394		3.31
15) Benzyl Alcohol	1.239	1.200	1.366	1.333	1.320	1.361	1.394	1.316		5.40
16) 2,2'-oxybis(1-...	2.195	2.078	2.295	2.167	2.148	2.188	2.210	2.183		3.01
17) 2-Methylphenol	1.206	1.169	1.311	1.253	1.228	1.262	1.282	1.244		3.82
18) Hexachloroethane	0.542	0.521	0.568	0.544	0.534	0.548	0.558	0.545		2.79
19) P n-Nitroso-di-n...	1.134	1.207	1.201	1.332	1.272	1.244	1.262	1.263	1.239	4.77
20) 3+4-Methylphenols		1.612	1.603	1.791	1.732	1.700	1.745	1.773	1.708	4.36
21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.479	0.475	0.521	0.504	0.492	0.509	0.520	0.500		3.73
23) S Nitrobenzene-d5	0.369	0.371	0.411	0.397	0.388	0.401	0.412	0.393		4.46
24) Nitrobenzene	0.364	0.364	0.406	0.395	0.386	0.400	0.415	0.390		5.10
25) Isophorone	0.729	0.726	0.805	0.785	0.767	0.794	0.821	0.775		4.72
26) C 2-Nitrophenol	0.152	0.156	0.179	0.180	0.179	0.187	0.196	0.176		9.16
27) 2,4-Dimethylph...	0.297	0.296	0.330	0.316	0.313	0.323	0.335	0.316		4.80
28) bis(2-Chloroet...	0.436	0.432	0.475	0.457	0.444	0.457	0.471	0.453		3.63
29) C 2,4-Dichloroph...	0.278	0.284	0.317	0.310	0.306	0.315	0.329	0.306		5.95
30) 1,2,4-Trichlor...	0.301	0.297	0.323	0.313	0.310	0.319	0.334	0.314		4.15
31) Naphthalene	0.984	0.963	1.052	1.008	0.985	1.014	1.042	1.007		3.20
32) Benzoic acid	0.189	0.213	0.250	0.261	0.262	0.274	0.293	0.249		14.53
33) 4-Chloroaniline	0.427	0.423	0.473	0.453	0.444	0.458	0.477	0.451		4.58
34) C Hexachlorobuta...	0.184	0.179	0.198	0.191	0.189	0.196	0.206	0.192		4.75
35) Caprolactam	0.095	0.102	0.113	0.112	0.111	0.113	0.118	0.109		7.38
36) C 4-Chloro-3-met...	0.319	0.318	0.354	0.345	0.339	0.348	0.362	0.341		4.97
37) 2-Methylnaphth...	0.723	0.717	0.779	0.742	0.724	0.740	0.757	0.740		2.94
38) 1-Methylnaphth...	0.683	0.672	0.729	0.698	0.677	0.695	0.714	0.695		2.93

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.538	0.527	0.592	0.580	0.584	0.604	0.636	0.580	6.48	
41) P	Hexachlorocycl...	0.257	0.271	0.325	0.337	0.344	0.361	0.387	0.326	14.38	
42) S	2,4,6-Tribromo...	0.236	0.232	0.259	0.250	0.248	0.257	0.266	0.250	4.90	
43) C	2,4,6-Trichlor...	0.354	0.356	0.402	0.398	0.398	0.418	0.437	0.395	7.78	
44)	2,4,5-Trichlor...	0.418	0.418	0.470	0.467	0.465	0.484	0.510	0.462	7.27	
45) S	2-Fluorobiphenyl	1.378	1.329	1.465	1.360	1.315	1.341	1.350	1.363	3.64	
46)	1,1'-Biphenyl	1.449	1.410	1.554	1.481	1.433	1.476	1.527	1.476	3.45	
47)	2-Chloronaphth...	1.044	1.014	1.120	1.080	1.051	1.086	1.128	1.075	3.85	
48)	2-Nitroaniline	0.329	0.338	0.399	0.395	0.392	0.408	0.427	0.384	9.49	
49)	Acenaphthylene	1.740	1.719	1.893	1.800	1.738	1.783	1.812	1.783	3.33	
50)	Dimethylphthalate	1.449	1.406	1.555	1.481	1.434	1.489	1.537	1.479	3.65	
51)	2,6-Dinitrotol...	0.282	0.288	0.329	0.317	0.313	0.325	0.340	0.313	6.88	
52) C	Acenaphthene	1.052	1.027	1.129	1.073	1.041	1.079	1.109	1.073	3.42	
53)	3-Nitroaniline	0.309	0.314	0.364	0.360	0.354	0.367	0.386	0.351	8.13	
54) P	2,4-Dinitrophenol		0.148	0.187	0.199	0.201	0.212	0.228	0.196	13.92	
55)	Dibenzofuran	1.752	1.700	1.841	1.718	1.661	1.704	1.744	1.732	3.29	
56) P	4-Nitrophenol	0.239	0.252	0.289	0.285	0.280	0.294	0.307	0.278	8.69	
57)	2,4-Dinitrotol...	0.356	0.378	0.438	0.428	0.419	0.433	0.450	0.415	8.26	
58)	Fluorene	1.392	1.344	1.464	1.348	1.309	1.338	1.360	1.365	3.67	
59)	2,3,4,6-Tetrac...	0.347	0.352	0.390	0.382	0.378	0.395	0.411	0.379	6.09	
60)	Diethylphthalate	1.447	1.425	1.555	1.476	1.422	1.465	1.506	1.471	3.23	
61)	4-Chlorophenyl...	0.697	0.678	0.738	0.715	0.706	0.729	0.751	0.716	3.51	
62)	4-Nitroaniline	0.293	0.306	0.354	0.348	0.339	0.350	0.370	0.337	8.21	
63)	Azobenzene	1.441	1.441	1.588	1.506	1.453	1.489	1.519	1.491	3.54	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.086	0.099	0.118	0.121	0.121	0.127	0.134	0.115	14.68	
66) c	n-Nitrosodiphe...	0.553	0.547	0.603	0.563	0.545	0.568	0.575	0.565	3.58	
67)	4-Bromophenyl-...	0.189	0.191	0.213	0.207	0.206	0.215	0.222	0.206	5.92	
68)	Hexachlorobenzene	0.206	0.202	0.224	0.217	0.216	0.227	0.235	0.218	5.26	
69)	Atrazine	0.173	0.175	0.189	0.170	0.171	0.180	0.175	0.176	3.61	
70) C	Pentachlorophenol	0.140	0.147	0.169	0.168	0.168	0.177	0.185	0.165	9.62	
71)	Phenanthrene	0.989	0.969	1.054	0.985	0.963	1.001	1.021	0.997	3.18	
72)	Anthracene	0.989	0.981	1.076	1.019	0.989	1.029	1.040	1.018	3.37	
73)	Carbazole	0.915	0.899	0.993	0.933	0.901	0.939	0.951	0.933	3.50	
74)	Di-n-butylphth...	1.131	1.142	1.280	1.213	1.170	1.219	1.230	1.198	4.41	
75) C	Fluoranthene	1.126	1.108	1.228	1.172	1.141	1.196	1.226	1.171	4.11	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.458	0.451	0.405	0.385	0.381	0.390	0.387	0.408	7.98	
78)	Pyrene	1.254	1.283	1.439	1.406	1.404	1.447	1.508	1.392	6.55	
79) S	Terphenyl-d14	1.043	1.059	1.190	1.133	1.105	1.093	1.064	1.098	4.61	
80)	Butylbenzylphth...	0.552	0.569	0.638	0.634	0.627	0.646	0.666	0.619	6.79	
81)	Benzo(a)anthra...	1.209	1.206	1.329	1.310	1.299	1.354	1.424	1.304	5.96	
82)	3,3'-Dichlorob...	0.424	0.436	0.483	0.469	0.450	0.467	0.488	0.459	5.22	
83)	Chrysene	1.151	1.143	1.265	1.226	1.200	1.255	1.319	1.223	5.20	
84)	Bis(2-ethylhex...	0.849	0.860	0.963	0.936	0.913	0.942	0.965	0.918	5.13	
85) c	Di-n-octyl pht...	1.451	1.449	1.633	1.584	1.518	1.572	1.612	1.546	4.82	

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86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.183 1.136 1.273 1.186 1.138 1.188 1.255 1.194	4.43
88)	Benzo(b)fluora...	1.066 1.062 1.211 1.187 1.171 1.210 1.266 1.168	6.58
89)	Benzo(k)fluora...	1.056 1.066 1.163 1.143 1.152 1.218 1.279 1.154	6.84
90) C	Benzo(a)pyrene	1.004 1.012 1.132 1.102 1.088 1.134 1.198 1.096	6.33
91)	Dibenzo(a,h)an...	0.968 0.939 1.060 0.996 0.954 1.000 1.053 0.996	4.71
92)	Benzo(g,h,i)pe...	0.953 0.908 1.016 0.944 0.904 0.943 0.989 0.951	4.27

(#) = Out of Range