

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF021323.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Feb 14 00:51:00 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BF132403.D 5 =BF132404.D 10 =BF132405.D 20 =BF132406.D 40 =BF132407.D 50 =BF132408.D 60 =BF132409.D 80 =BF132410.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.942	0.716	0.734	0.924	0.923	0.569	0.829	0.805	17.28	
3)	Pyridine	1.461	1.362	1.431	1.734	1.694	1.062		1.457	16.77	
4)	n-Nitrosodimet...	0.519	0.419	0.439	0.571	0.555	0.351		0.476	18.18	
5) S	2-Fluorophenol		1.013	0.992	1.481	1.131	0.911	1.047	1.096	18.40	
6)	Aniline	1.154	1.589	1.381	1.574	1.576	1.610	1.511	1.485	11.12	
7) S	Phenol-d6	1.505	1.534	1.228	1.401	1.335	1.333	1.225	1.366	8.95	
8)	2-Chlorophenol	1.359	1.446	1.424	1.310	1.270	1.222	1.151	1.312	8.16	
9)	Benzaldehyde	0.698	0.749	0.453	0.462	0.413	0.407	0.333	0.502	31.36	
10) C	Phenol	1.511	1.612	1.260	1.405	1.373	1.358	1.237	1.394	9.53	
11)	bis(2-Chloroet...	1.804	1.582	1.433	1.326	1.223	1.258	1.176	1.400	16.09	
12)	1,3-Dichlorobe...	1.498	1.570	1.582	1.431	1.385	1.318	1.281	1.438	8.21	
13) C	1,4-Dichlorobe...	1.506	1.581	1.585	1.427	1.379	1.340	1.284	1.443	8.16	
14)	1,2-Dichlorobe...	1.402	1.506	1.505	1.342	1.294	1.222	1.229	1.357	8.78	
15)	Benzyl Alcohol	0.657	0.758	0.855	0.867	0.876	0.856	0.836	0.815	9.83	
16)	2,2'-oxybis(1-...	1.052	1.118	1.160	0.982	0.936	0.961	1.574	1.112	19.79	
17)	2-Methylphenol	1.139	1.163	1.176	1.085	1.036	1.032	1.652	1.183	18.14	
18)	Hexachloroethane	0.523	0.531	0.576	0.552	0.513	0.493	0.820	0.573	19.59	
19) P	n-Nitroso-di-n...	0.700	0.769	0.818	0.843	0.715	0.665	0.653	1.073	0.779	17.58
20)	3+4-Methylphenols		1.451	1.542	1.557	1.381	1.305	1.242	1.929	1.487	15.25
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.500	0.500	0.448	0.315	0.452	0.602	0.447	0.466	18.45	
23) S	Nitrobenzene-d5	0.332	0.334	0.324	0.229	0.330	0.445	0.353	0.335	18.85	
24)	Nitrobenzene	0.321	0.332	0.331	0.224	0.326	0.444	0.357	0.334	19.31	
25)	Isophorone	0.587	0.455	0.639	0.537	0.592	0.720	0.603	0.591	13.93	
26) C	2-Nitrophenol	0.160	0.132	0.204	0.173	0.194	0.232	0.187	0.183	17.43	
27)	2,4-Dimethylph...	0.295	0.238	0.338	0.289	0.305	0.335	0.290	0.299	11.28	
28)	bis(2-Chloroet...	0.388	0.305	0.441	0.380	0.372	0.426	0.361	0.382	11.70	
29) C	2,4-Dichloroph...	0.281	0.231	0.323	0.301	0.302	0.351	0.277	0.295	12.86	
30)	1,2,4-Trichlor...	0.333	0.319	0.355	0.333	0.331	0.374	0.304	0.335	6.79	
31)	Naphthalene	1.070	1.073	1.129	1.023	1.004	1.145	0.893	1.048	8.13	
32)	Benzoic acid	0.049	0.068	0.130	0.174	0.198	0.257	0.221	0.157	49.74	
33)	4-Chloroaniline	0.399	0.374	0.427	0.410	0.390	0.356	0.341	0.385	7.92	
34) C	Hexachlorobuta...	0.213	0.210	0.214	0.204	0.220	0.249	0.190	0.214	8.49	
35)	Caprolactam	0.082	0.096	0.093	0.091	0.087	0.082	0.088	0.088	6.04	
36) C	4-Chloro-3-met...	0.379	0.328	0.330	0.311	0.306	0.287	0.287	0.318	10.00	
37)	2-Methylnaphth...	1.114	0.846	0.778	0.702	0.695	0.772		0.818	18.99	
38)	1-Methylnaphth...	1.050	0.792	0.733	0.653	0.647	0.758		0.772	19.14	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.645	0.647	0.691	0.649	0.643	0.553	0.589	0.631	7.22	
41) P	Hexachlorocycl...	0.305	0.343	0.409	0.415	0.437	0.370	0.411	0.384	12.27	
42) S	2,4,6-Tribromo...	0.241	0.250	0.281	0.269	0.292	0.266	0.265	0.266	6.49	
43) C	2,4,6-Trichlor...	0.403	0.422	0.468	0.446	0.438	0.405	0.418	0.428	5.49	
44)	2,4,5-Trichlor...	0.458	0.475	0.548	0.512	0.507	0.457	0.478	0.491	6.82	
45) S	2-Fluorobiphenyl	1.536	1.497	1.527	1.346	1.367	1.239	1.159	1.382	10.65	
46)	1,1'-Biphenyl	1.704	1.699	1.819	1.625	1.591	1.540	1.441	1.631	7.56	
47)	2-Chloronaphth...	1.293	1.285	1.381	1.253	1.219	1.182	1.121	1.248	6.74	
48)	2-Nitroaniline	0.263	0.280	0.319	0.306	0.291	0.297	0.283	0.291	6.24	
49)	Acenaphthylene	2.052	2.048	2.186	1.994	1.937	1.894	1.776	1.984	6.61	
50)	Dimethylphthalate	1.539	1.536	1.629	1.507	1.479	1.461	1.394	1.506	4.89	
51)	2,6-Dinitrotol...	0.306	0.326	0.364	0.342	0.328	0.331	0.316	0.330	5.68	
52) C	Acenaphthene	1.287	1.298	1.405	1.287	1.264	1.237	1.171	1.278	5.54	
53)	3-Nitroaniline	0.330	0.356	0.400	0.384	0.365	0.375	0.363	0.368	6.06	
54) P	2,4-Dinitrophenol		0.129	0.178	0.192	0.199	0.202	0.202	0.184	15.41	
55)	Dibenzofuran	1.862	1.870	1.963	1.772	1.737	1.686	1.576	1.781	7.28	
56) P	4-Nitrophenol	0.225	0.256	0.299	0.293	0.276	0.290	0.278	0.274	9.46	
57)	2,4-Dinitrotol...	0.375	0.422	0.478	0.455	0.447	0.440	0.421	0.434	7.53	
58)	Fluorene	1.453	1.448	1.529	1.371	1.360	1.302	1.228	1.385	7.33	
59)	2,3,4,6-Tetrac...	0.353	0.371	0.402	0.388	0.384	0.375	0.364	0.377	4.29	
60)	Diethylphthalate	1.537	1.504	1.672	1.523	1.505	1.450	1.365	1.508	6.15	
61)	4-Chlorophenyl...	0.725	0.718	0.765	0.695	0.684	0.661	0.621	0.696	6.71	
62)	4-Nitroaniline	0.326	0.351	0.384	0.347	0.328	0.321	0.299	0.337	8.08	
63)	Azobenzene	1.236	1.256	1.318	1.195	1.135	1.135	1.056	1.190	7.42	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.091	0.106	0.131	0.136	0.136	0.136	0.135	0.124	14.61	
66) c	n-Nitrosodiphe...	0.674	0.658	0.707	0.650	0.633	0.616	0.582	0.646	6.27	
67)	4-Bromophenyl-...	0.231	0.229	0.252	0.236	0.238	0.227	0.221	0.233	4.24	
68)	Hexachlorobenzene	0.254	0.256	0.276	0.258	0.264	0.253	0.245	0.258	3.82	
69)	Atrazine	0.139	0.169	0.200	0.192	0.196	0.191	0.181	0.181	11.68	
70) C	Pentachlorophenol	0.111	0.135	0.167	0.164	0.171	0.168	0.164	0.154	14.54	
71)	Phenanthrene	1.144	1.136	1.198	1.081	1.079	1.029	0.967	1.090	7.08	
72)	Anthracene	1.163	1.159	1.227	1.115	1.114	1.058	0.982	1.117	7.10	
73)	Carbazole	1.012	0.991	1.037	0.941	0.944	0.919	0.864	0.958	6.20	
74)	Di-n-butylphth...	1.192	1.242	1.248	1.242	1.240	1.174	1.087	1.203	4.90	
75) C	Fluoranthene	1.162	1.168	0.862	1.145	1.125	1.081	1.011	1.079	10.24	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.178	0.187	0.274	0.428	0.330	0.280	0.315	0.285	30.38	
78)	Pyrene	1.528	1.572	1.529	2.280	1.572	1.606	1.515	1.657	16.66	
79) S	Terphenyl-d14	1.143	1.169	1.075	1.601	1.166	1.107	1.061	1.189	15.69	
80)	Butylbenzylphth...	0.558	0.631	0.554	0.925	0.713	0.727	0.701	0.687	18.45	
81)	Benzo(a)anthra...	1.399	1.463	1.541	1.490	1.444	1.455	1.393	1.455	3.53	
82)	3,3'-Dichlorob...	0.394	0.421	0.449	0.413	0.401	0.389	0.351	0.402	7.52	
83)	Chrysene	1.383	1.358	1.503	1.391	1.363	1.343	1.270	1.373	5.07	
84)	Bis(2-ethylhex...	0.824	0.924	1.060	1.026	0.988	1.002	0.940	0.966	8.12	
85) c	Di-n-octyl pht...	1.246	1.357	1.723	1.925	1.545	1.544	1.451	1.541	14.73	

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.253	1.269	1.364	1.489	1.521	1.541	1.514	1.422	8.72
88)	Benzo(b)fluora...	1.160	1.273	1.394	1.382	1.305	1.271	1.303	1.298	6.02
89)	Benzo(k)fluora...	1.279	1.225	1.421	1.311	1.292	1.309	1.204	1.292	5.43
90) C	Benzo(a)pyrene	1.124	1.168	1.306	1.270	1.228	1.238	1.202	1.219	5.01
91)	Dibenzo(a,h)an...	1.057	1.071	1.160	1.243	1.255	1.268	1.234	1.184	7.52
92)	Benzo(g,h,i)pe...	1.023	1.028	1.112	1.231	1.251	1.275	1.243	1.166	9.37

(#) = Out of Range