

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF091324.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Sep 14 02:58:23 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BF139345.D 5 =BF139346.D 10 =BF139347.D 20 =BF139348.D 40 =BF139349.D 50 =BF139350.D 60 =BF139351.D 80 =BF139352.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.553	0.504	0.521	0.494	0.447	0.464	0.460	0.492	7.66	
3)	Pyridine	1.084	1.102	1.180	1.098	1.002	1.116	1.010	1.084	5.72	
4)	n-Nitrosodimet...	0.936	0.930	0.973	0.941	0.905	0.974	0.920	0.940	2.73	
5) S	2-Fluorophenol	1.255	1.223	1.262	1.216	1.174	1.254	1.198	1.226	2.71	
6)	Aniline	1.262	1.232	1.274	1.194	1.101	1.223		1.214	5.16	
7) S	Phenol-d6	1.636	1.624	1.680	1.598	1.522	1.649	1.555	1.609	3.43	
8)	2-Chlorophenol	1.262	1.295	1.305	1.242	1.203	1.297	1.230	1.262	3.08	
9)	Benzaldehyde	1.119	1.053	1.011	0.833	0.761	0.801		0.930	16.10	
10) C	Phenol	1.697	1.708	1.709	1.609	1.524	1.669	1.557	1.639	4.63	
11)	bis(2-Chloroet...	1.173	1.177	1.190	1.133	1.127	1.212	1.707	1.246	16.50	
12)	1,3-Dichlorobe...	1.500	1.489	1.475	1.414	1.355	1.444	1.370	1.435	4.01	
13) C	1,4-Dichlorobe...	1.477	1.463	1.527	1.432	1.377	1.476	1.401	1.450	3.52	
14)	1,2-Dichlorobe...	1.429	1.386	1.411	1.344	1.301	1.406	1.316	1.370	3.65	
15)	Benzyl Alcohol	1.277	1.307	1.332	1.282	1.220	1.336	1.233	1.284	3.52	
16)	2,2'-oxybis(1-...	2.033	1.971	2.047	1.868	1.791	1.936	1.793	1.920	5.52	
17)	2-Methylphenol	0.999	1.000	1.077	0.986	0.952	1.022	0.982	1.003	3.90	
18)	Hexachloroethane	0.563	0.567	0.565	0.543	0.531	0.565	0.533	0.552	2.86	
19) P	n-Nitroso-di-n...	0.922	0.950	0.952	1.025	0.939	0.912	0.990	0.939	0.954	3.88
20)	3+4-Methylphenols	1.397	1.358	1.413	1.351	1.306	1.420	1.331	1.368	3.15	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.521	0.509	0.535	0.539	0.502	0.540	0.515	0.523	2.87	
23) S	Nitrobenzene-d5	0.409	0.415	0.434	0.441	0.408	0.443	0.428	0.425	3.43	
24)	Nitrobenzene	0.434	0.436	0.442	0.453	0.422	0.448	0.430	0.438	2.42	
25)	Isophorone	0.658	0.670	0.698	0.685	0.647	0.688	0.663	0.673	2.73	
26) C	2-Nitrophenol	0.153	0.157	0.169	0.182	0.169	0.184	0.180	0.171	7.27	
27)	2,4-Dimethylph...	0.216	0.219	0.231	0.235	0.219	0.235	0.221	0.225	3.76	
28)	bis(2-Chloroet...	0.394	0.378	0.389	0.387	0.364	0.392	0.381	0.383	2.72	
29) C	2,4-Dichloroph...	0.289	0.283	0.285	0.295	0.272	0.294	0.283	0.286	2.79	
30)	1,2,4-Trichlor...	0.347	0.331	0.336	0.341	0.316	0.337	0.325	0.333	3.07	
31)	Naphthalene	1.043	1.038	1.045	1.070	1.003	1.076	1.034	1.044	2.32	
32)	Benzoic acid	0.164	0.184	0.219	0.220	0.221	0.235	0.231	0.211	12.54	
33)	4-Chloroaniline	0.307	0.327	0.334	0.337	0.305	0.332	0.293	0.319	5.44	
34) C	Hexachlorobuta...	0.228	0.231	0.228	0.232	0.220	0.227	0.218	0.226	2.36	
35)	Caprolactam	0.087	0.086	0.089	0.093	0.083	0.089	0.088	0.088	3.74	
36) C	4-Chloro-3-met...	0.315	0.317	0.336	0.341	0.315	0.336	0.327	0.327	3.34	
37)	2-Methylnaphth...	0.672	0.645	0.684	0.680	0.631	0.675	0.651	0.663	3.06	
38)	1-Methylnaphth...	0.656	0.647	0.670	0.662	0.616	0.661	0.643	0.651	2.70	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.600	0.570	0.607	0.619	0.569	0.597	0.588	0.593	3.15	
41) P	Hexachlorocycl...	0.198	0.196	0.224	0.229	0.207	0.208	0.187	0.207	7.28	
42) S	2,4,6-Tribromo...	0.212	0.202	0.220	0.229	0.204	0.215	0.210	0.213	4.48	
43) C	2,4,6-Trichlor...	0.378	0.373	0.388	0.421	0.370	0.385	0.384	0.386	4.45	
44)	2,4,5-Trichlor...	0.378	0.389	0.426	0.434	0.400	0.411	0.410	0.407	4.87	
45) S	2-Fluorobiphenyl	1.470	1.399	1.473	1.491	1.357	1.407	1.385	1.426	3.60	
46)	1,1'-Biphenyl	1.615	1.478	1.566	1.613	1.479	1.510	1.509	1.539	3.84	
47)	2-Chloronaphth...	1.130	1.110	1.181	1.215	1.116	1.155	1.146	1.150	3.25	
48)	2-Nitroaniline	0.387	0.407	0.436	0.456	0.428	0.443	0.439	0.428	5.45	
49)	Acenaphthylene	1.696	1.705	1.799	1.814	1.681	1.718	1.709	1.732	3.04	
50)	Dimethylphthalate	1.318	1.284	1.354	1.382	1.253	1.313	1.285	1.313	3.36	
51)	2,6-Dinitrotol...	0.261	0.275	0.303	0.313	0.290	0.296	0.297	0.291	5.97	
52) C	Acenaphthene	1.186	1.141	1.246	1.289	1.169	1.214	1.215	1.209	4.10	
53)	3-Nitroaniline	0.279	0.276	0.311	0.319	0.284	0.299	0.266	0.291	6.72	
54) P	2,4-Dinitrophenol	0.107	0.149	0.178	0.174	0.180	0.183	0.162		18.18	
55)	Dibenzofuran	1.687	1.668	1.738	1.780	1.600	1.684	1.635	1.685	3.59	
56) P	4-Nitrophenol	0.225	0.228	0.243	0.264	0.244	0.240	0.238	0.240	5.30	
57)	2,4-Dinitrotol...	0.364	0.365	0.391	0.434	0.388	0.406	0.400	0.393	6.20	
58)	Fluorene	1.373	1.323	1.424	1.472	1.325	1.360	1.345	1.375	4.00	
59)	2,3,4,6-Tetrac...	0.317	0.327	0.364	0.359	0.325	0.336	0.329	0.336	5.35	
60)	Diethylphthalate	1.359	1.291	1.405	1.440	1.309	1.346	1.332	1.355	3.87	
61)	4-Chlorophenyl...	0.671	0.638	0.691	0.705	0.642	0.665	0.664	0.668	3.62	
62)	4-Nitroaniline	0.303	0.315	0.344	0.348	0.307	0.314	0.289	0.317	6.80	
63)	Azobenzene	1.341	1.286	1.375	1.423	1.280	1.314	1.309	1.332	3.86	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.075	0.092	0.105	0.117	0.113	0.119	0.119	0.106	15.89	
66) c	n-Nitrosodiphe...	0.581	0.564	0.593	0.601	0.560	0.594	0.601	0.585	2.92	
67)	4-Bromophenyl-...	0.190	0.186	0.201	0.207	0.191	0.206	0.206	0.198	4.37	
68)	Hexachlorobenzene	0.232	0.229	0.228	0.243	0.223	0.236	0.237	0.233	2.86	
69)	Atrazine	0.175	0.165	0.144	0.121	0.141	0.114	0.115	0.139	17.35	
70) C	Pentachlorophenol	0.123	0.130	0.143	0.150	0.137	0.149	0.144	0.140	7.21	
71)	Phenanthrene	0.981	0.928	0.992	1.004	0.938	0.969	0.943	0.965	3.02	
72)	Anthracene	0.945	0.909	0.971	0.987	0.913	0.957	0.922	0.943	3.18	
73)	Carbazole	0.923	0.897	0.958	0.946	0.881	0.884	0.831	0.903	4.80	
74)	Di-n-butylphth...	0.935	0.972	1.073	1.075	0.991	1.024	0.970	1.006	5.34	
75) C	Fluoranthene	1.100	1.092	1.137	1.085	0.957	0.960	0.882	1.030	9.31	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.174	0.181	0.262	0.384	0.269	0.401	0.334	0.287	31.62	
78)	Pyrene	1.536	1.568	1.791	1.924	1.774	1.781	1.647	1.717	8.07	
79) S	Terphenyl-d14	1.100	1.128	1.282	1.349	1.239	1.282	1.150	1.218	7.67	
80)	Butylbenzylpht...	0.519	0.552	0.630	0.627	0.585	0.601	0.578	0.585	6.81	
81)	Benzo(a)anthra...	1.334	1.287	1.404	1.358	1.262	1.312	1.317	1.325	3.51	
82)	3,3'-Dichlorob...	0.388	0.384	0.396	0.374	0.367	0.408	0.397	0.388	3.64	
83)	Chrysene	1.252	1.206	1.206	1.234	1.185	1.242	1.206	1.219	1.98	
84)	Bis(2-ethylhex...	0.688	0.711	0.816	0.764	0.727	0.761	0.739	0.744	5.63	
85) c	Di-n-octyl pht...	0.969	0.954	1.076	1.129	1.103	1.204	1.230	1.095	9.68	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	0.947	1.025	1.175	1.363	1.261	1.313	1.240	1.189	12.81	
88)	Benzo(b)fluora...	1.284	1.188	1.332	1.226	1.186	1.216	1.202	1.233	4.43	
89)	Benzo(k)fluora...	1.221	1.212	1.107	1.191	1.028	1.124	1.079	1.137	6.40	
90) C	Benzo(a)pyrene	1.002	0.985	1.031	1.076	0.992	1.056	1.018	1.023	3.29	
91)	Dibenzo(a,h)an...	0.770	0.847	0.973	1.098	1.044	1.109	1.038	0.983	13.12	
92)	Benzo(g,h,i)pe...	0.805	0.846	0.974	1.106	1.031	1.066	0.982	0.973	11.42	

(#) = Out of Range