

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF052022.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat May 21 05:28:09 2022
 Response Via : Initial Calibration

Calibration Files

1 =BF128355.D 5 =BF128356.D 10 =BF128357.D 20 =BF128358.D 40 =BF128359.D 50 =BF128360.D 60 =BF128361.D 80 =BF128362.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.608	0.637	0.675	0.662	0.591	0.587	0.550	0.616	7.26	
3)	Pyridine	1.528	1.633	1.776	1.708	1.530	1.543	1.442	1.594	7.32	
4)	n-Nitrosodimet...	0.719	0.736	0.816	0.842	0.753	0.741	0.702	0.758	6.78	
5) S	2-Fluorophenol	1.458	1.164	1.463	1.364	1.169	1.142	1.037	1.257	13.49	
6)	Aniline	2.073	2.027	2.148	1.926	1.791	1.725	1.560	1.893	11.12	
7) S	Phenol-d6	1.892	1.842	1.855	1.655	1.513	1.482	1.345	1.655	13.00	
8)	2-Chlorophenol	1.454	1.432	1.477	1.275	1.180	1.146	1.031	1.285	13.54	
9)	Benzaldehyde	1.280	1.171	1.089	0.853	0.749	0.689		0.972	24.86	
10) C	Phenol	1.977	1.942	2.027	1.752	1.619	1.576	1.427	1.760	13.03	
11)	bis(2-Chloroet...	1.444	1.327	1.454	1.354	1.258	1.235	1.122	1.313	9.04	
12)	1,3-Dichlorobe...	1.636	1.548	1.654	1.427	1.338	1.305	1.193	1.443	12.20	
13) C	1,4-Dichlorobe...	1.676	1.576	1.658	1.478	1.352	1.319	1.192	1.464	12.55	
14)	1,2-Dichlorobe...	1.564	1.595	1.559	1.362	1.221	1.163	1.039	1.358	16.40	
15)	Benzyl Alcohol	1.328	1.376	1.361	1.300	1.132	1.098	0.981	1.225	12.56	
16)	2,2'-oxybis(1-...	2.144	2.093	2.202	2.005	1.807	1.739	1.568	1.937	12.18	
17)	2-Methylphenol	1.187	1.160	1.235	1.100	1.006	0.981	0.884	1.079	11.71	
18)	Hexachloroethane	0.586	0.569	0.606	0.560	0.513	0.502	0.461	0.542	9.53	
19) P	n-Nitroso-di-n...	1.178	1.100	1.063	1.064	0.991	0.872	0.851	0.799	0.990	13.67
20)	3+4-Methylphenols	1.564	1.520	1.486	1.301	1.147	1.095	0.981	1.299	17.76	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.677	0.495	0.526	0.451	0.429	0.425	0.405	0.487	19.30	
23) S	Nitrobenzene-d5	0.560	0.448	0.472	0.431	0.412	0.412	0.391	0.446	12.67	
24)	Nitrobenzene	0.506	0.416	0.451	0.411	0.388	0.385	0.366	0.418	11.42	
25)	Isophorone	0.718	0.689	0.732	0.674	0.660	0.665	0.651	0.684	4.49	
26) C	2-Nitrophenol	0.179	0.185	0.199	0.186	0.176	0.176	0.166	0.181	5.87	
27)	2,4-Dimethylph...	0.276	0.281	0.289	0.260	0.252	0.249	0.239	0.264	7.07	
28)	bis(2-Chloroet...	0.463	0.455	0.475	0.418	0.413	0.412	0.389	0.432	7.43	
29) C	2,4-Dichloroph...	0.297	0.305	0.322	0.279	0.275	0.270	0.252	0.286	8.29	
30)	1,2,4-Trichlor...	0.354	0.348	0.364	0.310	0.305	0.303	0.289	0.324	9.14	
31)	Naphthalene	1.079	1.046	1.100	0.970	0.898	0.891	0.838	0.975	10.51	
32)	Benzoic acid		0.123	0.189	0.195	0.203	0.208	0.207	0.188	17.21	
33)	4-Chloroaniline	0.420	0.419	0.432	0.373	0.369	0.370	0.346	0.390	8.45	
34) C	Hexachlorobuta...	0.231	0.222	0.231	0.205	0.198	0.197	0.187	0.210	8.42	
35)	Caprolactam	0.092	0.093	0.103	0.090	0.090	0.092	0.085	0.092	5.72	
36) C	4-Chloro-3-met...	0.332	0.322	0.342	0.299	0.296	0.296	0.281	0.310	7.24	
37)	2-Methylnaphth...	0.728	0.684	0.716	0.635	0.590	0.580	0.541	0.639	11.34	
38)	1-Methylnaphth...	0.691	0.673	0.689	0.610	0.567	0.555	0.518	0.615	11.49	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.637	0.627	0.637	0.591	0.545	0.538	0.508	0.583	9.12	
41) P	Hexachlorocycl...		0.065	0.129	0.187	0.192	0.201	0.213	0.164	34.58	
42) S	2,4,6-Tribromo...	0.218	0.219	0.227	0.207	0.196	0.194	0.183	0.206	7.77	
43) C	2,4,6-Trichlor...	0.366	0.385	0.410	0.380	0.351	0.354	0.331	0.368	6.98	
44)	2,4,5-Trichlor...	0.397	0.412	0.435	0.400	0.378	0.372	0.347	0.392	7.33	
45) S	2-Fluorobiphenyl	1.466	1.413	1.363	1.174	1.093	1.065	0.988	1.223	15.46	
46)	1,1'-Biphenyl	1.582	1.599	1.617	1.442	1.334	1.312	1.230	1.445	10.90	
47)	2-Chloronaphth...	1.178	1.169	1.188	1.072	1.006	0.983	0.908	1.072	10.31	
48)	2-Nitroaniline	0.405	0.390	0.420	0.394	0.376	0.373	0.360	0.388	5.25	
49)	Acenaphthylene	1.799	1.792	1.834	1.591	1.462	1.434	1.315	1.604	12.95	
50)	Dimethylphthalate	1.387	1.338	1.401	1.267	1.191	1.195	1.139	1.274	8.14	
51)	2,6-Dinitrotol...	0.291	0.291	0.311	0.285	0.266	0.263	0.242	0.279	8.24	
52) C	Acenaphthene	1.110	1.090	1.132	1.000	0.937	0.922	0.860	1.007	10.48	
53)	3-Nitroaniline	0.326	0.327	0.348	0.320	0.300	0.298	0.276	0.314	7.52	
54) P	2,4-Dinitrophenol		0.093	0.134	0.155	0.154	0.157	0.154	0.141	17.64	
55)	Dibenzofuran	1.771	1.732	1.751	1.492	1.378	1.345	1.220	1.527	14.70	
56) P	4-Nitrophenol	0.131	0.166	0.200	0.201	0.190	0.193	0.182	0.180	13.65	
57)	2,4-Dinitrotol...	0.383	0.379	0.402	0.358	0.319	0.324	0.293	0.351	11.37	
58)	Fluorene	1.367	1.339	1.358	1.165	1.092	1.076	0.980	1.197	13.15	
59)	2,3,4,6-Tetrac...	0.325	0.331	0.349	0.332	0.316	0.306	0.293	0.322	5.73	
60)	Diethylphthalate	1.375	1.311	1.362	1.213	1.141	1.128	1.064	1.228	10.04	
61)	4-Chlorophenyl...	0.690	0.657	0.656	0.583	0.536	0.520	0.487	0.590	13.39	
62)	4-Nitroaniline	0.321	0.333	0.357	0.321	0.304	0.305	0.281	0.317	7.68	
63)	Azobenzene	1.506	1.471	1.522	1.364	1.296	1.279	1.191	1.376	9.26	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.096	0.111	0.137	0.135	0.129	0.130	0.123	0.123	12.11	
66) c	n-Nitrosodiphe...	0.625	0.630	0.644	0.585	0.539	0.536	0.495	0.579	9.80	
67)	4-Bromophenyl-...	0.228	0.224	0.231	0.212	0.198	0.192	0.180	0.209	9.32	
68)	Hexachlorobenzene	0.244	0.241	0.254	0.232	0.214	0.212	0.197	0.228	9.06	
69)	Atrazine	0.208	0.206	0.212	0.191	0.179	0.174	0.161	0.190	10.35	
70) C	Pentachlorophenol		0.065	0.086	0.098	0.101	0.102	0.100	0.092	15.61	
71)	Phenanthrene	1.086	1.085	1.092	0.969	0.903	0.889	0.809	0.976	11.70	
72)	Anthracene	1.087	1.052	1.091	0.972	0.899	0.880	0.808	0.970	11.48	
73)	Carbazole	1.259	1.034	1.062	0.936	0.861	0.850	0.770	0.967	17.06	
74)	Di-n-butylphth...	1.323	1.093	1.163	1.031	0.971	0.942	0.874	1.057	14.35	
75) C	Fluoranthene	1.348	1.116	1.180	1.027	0.951	0.934	0.843	1.057	16.20	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.628	0.483	0.406	0.480	0.340	0.298	0.277	0.416	29.88	
78)	Pyrene	1.619	1.500	1.555	1.512	1.432	1.448	1.417	1.497	4.83	
79) S	Terphenyl-d14	1.105	1.093	1.083	1.036	0.969	0.991	0.975	1.036	5.62	
80)	Butylbenzylpht...	0.548	0.578	0.648	0.629	0.597	0.606	0.597	0.601	5.40	
81)	Benzo(a)anthra...	1.316	1.314	1.372	1.291	1.213	1.231	1.170	1.272	5.52	
82)	3,3'-Dichlorob...	0.332	0.328	0.340	0.271	0.240	0.231		0.290	16.94	
83)	Chrysene	1.318	1.272	1.311	1.223	1.145	1.132	1.082	1.212	7.72	
84)	Bis(2-ethylhex...	0.796	0.786	0.863	0.816	0.771	0.774	0.754	0.794	4.54	
85) c	Di-n-octyl pht...	1.329	1.258	1.412	1.305	1.233	1.235	1.162	1.276	6.33	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	0.998	1.160	1.023	1.179	1.183	1.226	1.222	1.142	8.14	
88)	Benzo(b)fluora...	1.275	1.223	1.394	1.236	1.254	1.214	1.113	1.244	6.74	
89)	Benzo(k)fluora...	1.285	1.263	1.244	1.207	1.061	1.092	1.006	1.165	9.49	
90) C	Benzo(a)pyrene	1.044	1.021	1.092	1.004	0.969	0.963	0.899	0.999	6.26	
91)	Dibenzo(a,h)an...	0.798	0.934	0.823	0.957	0.949	0.988	0.963	0.916	8.11	
92)	Benzo(g,h,i)pe...	0.799	0.947	0.827	1.000	1.008	1.053	1.056	0.956	10.94	

(#) = Out of Range