

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF042222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sun Apr 24 00:43:03 2022
 Response Via : Initial Calibration

Calibration Files

1 =BF127857.D 5 =BF127858.D 10 =BF127859.D 20 =BF127860.D 40 =BF127861.D 50 =BF127862.D 60 =BF127863.D 80 =BF127864.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.669	0.619	0.631	0.618	0.545	0.551	0.562	0.599	7.88	
3)	Pyridine	1.620	1.550	1.596	1.624	1.445	1.412	1.498	1.535	5.56	
4)	n-Nitrosodimet...	0.774	0.755	0.778	0.771	0.699	0.700	0.724	0.743	4.67	
5) S	2-Fluorophenol	1.531	1.394	1.373	1.260	1.096	1.071	1.066	1.256	14.69	
6)	Aniline	2.065	2.042	2.080	2.036	1.823	1.709	1.796	1.936	7.96	
7) S	Phenol-d6	1.951	1.829	1.771	1.660	1.435	1.361	1.398	1.629	14.35	
8)	2-Chlorophenol	1.561	1.463	1.425	1.341	1.147	1.087	1.098	1.303	14.74	
9)	Benzaldehyde	1.242	1.184	1.097	0.900	0.857	0.768		1.008	19.14	
10) C	Phenol	1.948	1.817	1.795	1.682	1.469	1.379	1.412	1.643	13.63	
11)	bis(2-Chloroet...	1.600	1.533	1.459	1.389	1.238	1.132	1.192	1.363	13.17	
12)	1,3-Dichlorobe...	1.818	1.704	1.631	1.512	1.310	1.266	1.260	1.500	15.11	
13) C	1,4-Dichlorobe...	1.800	1.705	1.646	1.503	1.312	1.256	1.259	1.497	15.09	
14)	1,2-Dichlorobe...	1.761	1.641	1.534	1.381	1.183	1.110	1.093	1.386	19.34	
15)	Benzyl Alcohol	1.105	1.169	1.203	1.202	1.071	0.984	1.021	1.108	7.90	
16)	2,2'-oxybis(1-...	2.460	2.269	2.200	2.174	1.928	1.736	1.815	2.083	12.63	
17)	2-Methylphenol	1.355	1.196	1.166	1.192	0.996	0.917	1.049	1.124	13.09	
18)	Hexachloroethane	0.646	0.596	0.584	0.560	0.496	0.484	0.488	0.550	11.41	
19) P	n-Nitroso-di-n...	1.110	1.165	1.091	1.028	1.016	0.894	0.810	0.865	0.997	12.79
20)	3+4-Methylphenols		1.693	1.555	1.493	1.405	1.190	1.078	1.094	1.358	17.73
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.595	0.548	0.517	0.482	0.435	0.411	0.425	0.487	14.16	
23) S	Nitrobenzene-d5	0.471	0.445	0.443	0.432	0.396	0.386	0.403	0.425	7.25	
24)	Nitrobenzene	0.461	0.429	0.423	0.417	0.384	0.372	0.383	0.410	7.72	
25)	Isophorone	0.778	0.740	0.717	0.730	0.683	0.662	0.701	0.716	5.37	
26) C	2-Nitrophenol	0.163	0.171	0.182	0.185	0.174	0.170	0.178	0.175	4.39	
27)	2,4-Dimethylph...	0.306	0.301	0.298	0.305	0.276	0.268	0.277	0.290	5.48	
28)	bis(2-Chloroet...	0.532	0.491	0.476	0.464	0.428	0.404	0.416	0.459	9.91	
29) C	2,4-Dichloroph...	0.335	0.321	0.320	0.309	0.284	0.276	0.282	0.304	7.57	
30)	1,2,4-Trichlor...	0.403	0.378	0.365	0.345	0.316	0.303	0.307	0.345	11.20	
31)	Naphthalene	1.211	1.138	1.089	1.016	0.921	0.877	0.879	1.019	13.01	
32)	Benzoic acid	0.159	0.167	0.194	0.231	0.232	0.230	0.244	0.208	16.64	
33)	4-Chloroaniline	0.457	0.430	0.427	0.415	0.371	0.356	0.365	0.403	9.57	
34) C	Hexachlorobuta...	0.248	0.240	0.227	0.218	0.201	0.191	0.197	0.217	10.18	
35)	Caprolactam	0.096	0.099	0.098	0.104	0.097	0.097	0.097	0.098	2.58	
36) C	4-Chloro-3-met...	0.352	0.341	0.328	0.334	0.307	0.302	0.307	0.325	5.95	
37)	2-Methylnaphth...	0.806	0.756	0.718	0.672	0.608	0.576	0.576	0.673	13.52	
38)	1-Methylnaphth...	0.798	0.731	0.692	0.654	0.591	0.555	0.558	0.654	14.09	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.718	0.663	0.634	0.593	0.520	0.496	0.503	0.590	14.68	
41) P	Hexachlorocycl...	0.299	0.311	0.333	0.342	0.317	0.304	0.329	0.319	4.97	
42) S	2,4,6-Tribromo...	0.227	0.220	0.211	0.203	0.185	0.182	0.182	0.201	9.49	
43) C	2,4,6-Trichlor...	0.425	0.418	0.406	0.397	0.354	0.350	0.366	0.388	8.01	
44)	2,4,5-Trichlor...	0.461	0.457	0.435	0.441	0.388	0.381	0.389	0.422	8.28	
45) S	2-Fluorobiphenyl	1.482	1.370	1.205	1.043	0.989	1.005	1.182		17.49	
46)	1,1'-Biphenyl	1.778	1.698	1.614	1.483	1.293	1.241	1.264	1.481	14.93	
47)	2-Chloronaphth...	1.356	1.269	1.206	1.131	0.986	0.958	0.989	1.128	13.84	
48)	2-Nitroaniline	0.372	0.382	0.393	0.401	0.369	0.371	0.383	0.381	3.21	
49)	Acenaphthylene	2.063	1.950	1.853	1.750	1.522	1.472	1.466	1.725	14.08	
50)	Dimethylphthalate	1.509	1.443	1.378	1.356	1.229	1.224	1.251	1.341	8.32	
51)	2,6-Dinitrotol...	0.302	0.302	0.301	0.305	0.277	0.271	0.275	0.290	5.21	
52) C	Acenaphthene	1.349	1.270	1.213	1.184	1.050	1.017	1.037	1.160	11.06	
53)	3-Nitroaniline	0.334	0.336	0.333	0.341	0.300	0.303	0.311	0.322	5.37	
54) P	2,4-Dinitrophenol	0.108	0.133	0.168	0.166	0.170	0.173	0.153		17.43	
55)	Dibenzofuran	2.040	1.900	1.801	1.686	1.471	1.418	1.397	1.673	15.13	
56) P	4-Nitrophenol	0.233	0.237	0.257	0.266	0.243	0.242	0.246	0.246	4.66	
57)	2,4-Dinitrotol...	0.396	0.392	0.404	0.410	0.366	0.363	0.362	0.385	5.39	
58)	Fluorene	1.567	1.432	1.358	1.242	1.082	1.033	1.027	1.249	17.00	
59)	2,3,4,6-Tetrac...	0.374	0.383	0.375	0.369	0.330	0.327	0.325	0.355	7.33	
60)	Diethylphthalate	1.515	1.438	1.366	1.348	1.207	1.168	1.166	1.315	10.49	
61)	4-Chlorophenyl...	0.778	0.709	0.665	0.617	0.542	0.519	0.513	0.620	16.51	
62)	4-Nitroaniline	0.326	0.324	0.316	0.335	0.298	0.305	0.302	0.315	4.42	
63)	Azobenzene	1.686	1.566	1.499	1.478	1.323	1.286	1.294	1.447	10.54	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.089	0.104	0.121	0.135	0.128	0.125	0.131	0.119	13.90	
66) c	n-Nitrosodiphe...	0.737	0.681	0.669	0.617	0.561	0.538	0.555	0.622	12.12	
67)	4-Bromophenyl-...	0.258	0.244	0.236	0.221	0.201	0.191	0.201	0.222	11.44	
68)	Hexachlorobenzene	0.274	0.254	0.251	0.232	0.212	0.202	0.210	0.234	11.53	
69)	Atrazine	0.232	0.220	0.207	0.190	0.171	0.158	0.170	0.192	14.65	
70) C	Pentachlorophenol	0.119	0.133	0.148	0.147	0.138	0.134	0.142	0.137	7.27	
71)	Phenanthrene	1.288	1.179	1.141	1.035	0.926	0.871	0.889	1.047	15.35	
72)	Anthracene	1.259	1.177	1.146	1.036	0.921	0.880	0.882	1.043	14.79	
73)	Carbazole	1.215	1.126	1.096	0.996	0.899	0.854	0.849	1.005	14.38	
74)	Di-n-butylphth...	1.315	1.246	1.213	1.136	1.046	0.974	0.982	1.130	11.86	
75) C	Fluoranthene	1.367	1.250	1.199	1.089	0.966	0.919	0.924	1.102	15.94	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.255	0.411	0.407	0.382	0.437		0.378		18.92	
78)	Pyrene	1.756	1.698	1.671	1.617	1.502	1.476	1.582	1.614	6.35	
79) S	Terphenyl-d14	1.327	1.217	1.144	1.054	0.967	0.949	0.998	1.094	12.94	
80)	Butylbenzylphth...	0.601	0.627	0.632	0.656	0.630	0.624	0.660	0.633	3.19	
81)	Benzo(a)anthra...	1.502	1.408	1.373	1.350	1.231	1.198	1.270	1.333	8.03	
82)	3,3'-Dichlorob...	0.462	0.456	0.457	0.424	0.387	0.381	0.395	0.423	8.44	
83)	Chrysene	1.463	1.374	1.324	1.263	1.153	1.137	1.198	1.273	9.50	
84)	Bis(2-ethylhex...	0.869	0.871	0.867	0.862	0.807	0.778	0.822	0.839	4.43	
85) c	Di-n-octyl pht...	1.311	1.302	1.345	1.357	1.253	1.220	1.314	1.300	3.75	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.236	1.239	1.342	1.418	1.348	1.275	1.488	1.335	7.05	
88)	Benzo(b)fluora...	1.356	1.309	1.337	1.261	1.216	1.165	1.150	1.256	6.54	
89)	Benzo(k)fluora...	1.470	1.406	1.298	1.320	1.134	1.100	1.130	1.266	11.57	
90) C	Benzo(a)pyrene	1.121	1.078	1.082	1.077	0.993	0.957	0.986	1.042	5.96	
91)	Dibenzo(a,h)an...	1.010	1.002	1.105	1.143	1.067	1.010	1.156	1.071	6.12	
92)	Benzo(g,h,i)pe...	1.012	0.993	1.109	1.214	1.175	1.097	1.297	1.128	9.65	

(#) = Out of Range