

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF052622.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri May 27 01:51:59 2022
 Response Via : Initial Calibration

Calibration Files

1 =BF128476.D 5 =BF128477.D 10 =BF128478.D 20 =BF128479.D 40 =BF128480.D 50 =BF128481.D 60 =BF128482.D 80 =BF128483.D

	Compound	1	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.564	0.572	0.585	0.529	0.516	0.516	0.487	0.538	6.64	
3)	Pyridine	1.459	1.468	1.542	1.352	1.331	1.321	1.283	1.394	6.87	
4)	n-Nitrosodimet...	0.751	0.722	0.785	0.731	0.723	0.711	0.690	0.730	4.18	
5) S	2-Fluorophenol	1.393	1.356	1.356	1.153	1.103	1.076	1.016	1.207	12.92	
6)	Aniline	1.947	1.884	2.024	1.818	1.717	1.635	1.550	1.796	9.53	
7) S	Phenol-d6	1.804	1.729	1.727	1.465	1.397	1.373	1.281	1.540	13.56	
8)	2-Chlorophenol	1.422	1.439	1.434	1.202	1.131	1.109	1.027	1.252	14.01	
9)	Benzaldehyde		1.091	0.960	0.687	0.627	0.572	0.532	0.745	30.53	
10) C	Phenol	1.740	1.720	1.717	1.452	1.387	1.381	1.282	1.526	12.70	
11)	bis(2-Chloroet...	1.403	1.368	1.369	1.185	1.169	1.175	1.074	1.249	10.30	
12)	1,3-Dichlorobe...	1.638	1.580	1.621	1.369	1.296	1.269	1.185	1.422	13.13	
13) C	1,4-Dichlorobe...	1.675	1.627	1.633	1.381	1.302	1.266	1.187	1.439	14.01	
14)	1,2-Dichlorobe...	1.606	1.535	1.526	1.257	1.172	1.144	1.029	1.324	17.22	
15)	Benzyl Alcohol	1.343	1.294	1.338	1.144	1.072	1.052	0.976	1.174	12.80	
16)	2,2'-oxybis(1-...	2.499	2.437	2.496	2.140	2.042	2.005	1.852	2.210	11.96	
17)	2-Methylphenol	1.208	1.157	1.195	1.031	0.979	0.971	0.918	1.066	11.16	
18)	Hexachloroethane	0.556	0.557	0.568	0.492	0.471	0.471	0.437	0.508	10.26	
19) P	n-Nitroso-di-n...	1.112	1.066	1.011	1.016	0.879	0.839	0.836	0.793	0.944	12.83
20)	3+4-Methylphenols		1.564	1.495	1.498	1.214	1.129	1.097	1.015	1.287	17.51
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.543	0.507	0.511	0.439	0.421	0.415	0.392	0.461	12.62	
23) S	Nitrobenzene-d5	0.328	0.339	0.376	0.352	0.347	0.352	0.332	0.347	4.63	
24)	Nitrobenzene	0.332	0.341	0.377	0.345	0.341	0.339	0.325	0.343	4.83	
25)	Isophorone	0.690	0.648	0.687	0.624	0.607	0.621	0.600	0.640	5.72	
26) C	2-Nitrophenol	0.108	0.123	0.150	0.151	0.157	0.160	0.154	0.143	13.81	
27)	2,4-Dimethylph...	0.306	0.301	0.309	0.276	0.272	0.272	0.256	0.285	7.19	
28)	bis(2-Chloroet...	0.461	0.439	0.461	0.400	0.388	0.390	0.367	0.415	9.18	
29) C	2,4-Dichloroph...	0.316	0.307	0.326	0.289	0.280	0.281	0.265	0.295	7.50	
30)	1,2,4-Trichlor...	0.353	0.339	0.355	0.310	0.300	0.299	0.278	0.319	9.37	
31)	Naphthalene	1.142	1.073	1.096	0.940	0.894	0.884	0.823	0.979	12.58	
32)	Benzoic acid	0.132	0.166	0.200	0.218	0.227	0.235	0.233	0.201	19.36	
33)	4-Chloroaniline	0.430	0.421	0.429	0.383	0.359	0.362	0.345	0.390	9.31	
34) C	Hexachlorobuta...	0.221	0.217	0.224	0.198	0.188	0.188	0.174	0.202	9.62	
35)	Caprolactam	0.095	0.091	0.098	0.091	0.088	0.091	0.081	0.091	5.83	
36) C	4-Chloro-3-met...	0.322	0.312	0.330	0.297	0.287	0.291	0.280	0.303	6.29	
37)	2-Methylnaphth...	0.717	0.678	0.693	0.593	0.562	0.562	0.521	0.618	12.42	
38)	1-Methylnaphth...	0.704	0.663	0.666	0.571	0.550	0.543	0.508	0.601	12.59	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.625	0.601	0.619	0.526	0.510	0.501	0.463	0.549	11.80	
41) P	Hexachlorocycl...	0.295	0.306	0.338	0.318	0.307	0.306	0.292	0.309	4.98	
42) S	2,4,6-Tribromo...	0.203	0.203	0.213	0.187	0.178	0.180	0.168	0.190	8.69	
43) C	2,4,6-Trichlor...	0.418	0.420	0.445	0.400	0.385	0.398	0.370	0.405	6.11	
44)	2,4,5-Trichlor...	0.444	0.438	0.468	0.411	0.401	0.389	0.370	0.417	8.28	
45) S	2-Fluorobiphenyl	1.551	1.446	1.404	1.142	1.068	1.042	0.963	1.231	18.78	
46)	1,1'-Biphenyl	1.660	1.574	1.588	1.338	1.268	1.253	1.150	1.404	14.20	
47)	2-Chloronaphth...	1.246	1.201	1.237	1.075	1.022	1.005	0.930	1.102	11.42	
48)	2-Nitroaniline	0.231	0.266	0.325	0.322	0.331	0.335	0.336	0.307	13.43	
49)	Acenaphthylene	1.943	1.858	1.933	1.627	1.549	1.534	1.410	1.694	12.71	
50)	Dimethylphthalate	1.445	1.398	1.426	1.249	1.207	1.210	1.146	1.297	9.42	
51)	2,6-Dinitrotol...	0.181	0.216	0.269	0.251	0.251	0.252	0.245	0.238	12.43	
52) C	Acenaphthene	1.165	1.126	1.160	1.010	0.975	0.965	0.913	1.045	9.88	
53)	3-Nitroaniline	0.227	0.257	0.302	0.286	0.285	0.285	0.280	0.275	9.03	
54) P	2,4-Dinitrophenol		0.059	0.087	0.103	0.111	0.119	0.122	0.100	23.60	
55)	Dibenzofuran	1.808	1.732	1.753	1.502	1.398	1.394	1.264	1.550	13.73	
56) P	4-Nitrophenol	0.180	0.207	0.243	0.238	0.232	0.235	0.225	0.223	9.98	
57)	2,4-Dinitrotol...	0.186	0.246	0.316	0.314	0.315	0.316	0.298	0.284	17.65	
58)	Fluorene	1.371	1.276	1.260	1.052	0.990	0.979	0.885	1.116	16.51	
59)	2,3,4,6-Tetrac...	0.366	0.358	0.377	0.332	0.315	0.321	0.299	0.338	8.63	
60)	Diethylphthalate	1.394	1.352	1.404	1.238	1.172	1.172	1.089	1.260	9.84	
61)	4-Chlorophenyl...	0.687	0.651	0.648	0.534	0.498	0.494	0.453	0.566	16.47	
62)	4-Nitroaniline	0.214	0.237	0.284	0.280	0.277	0.281	0.267	0.263	10.22	
63)	Azobenzene	1.436	1.373	1.436	1.234	1.195	1.193	1.115	1.283	10.13	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.051	0.077	0.087	0.091	0.098	0.097	0.083	21.04	
66) c	n-Nitrosodiphe...	0.681	0.650	0.671	0.582	0.551	0.545	0.511	0.599	11.35	
67)	4-Bromophenyl-...	0.231	0.224	0.230	0.202	0.192	0.191	0.177	0.207	10.51	
68)	Hexachlorobenzene	0.263	0.242	0.251	0.223	0.209	0.210	0.198	0.228	10.73	
69)	Atrazine	0.214	0.203	0.207	0.182	0.171	0.168	0.155	0.186	12.11	
70) C	Pentachlorophenol	0.134	0.140	0.155	0.145	0.137	0.136	0.127	0.139	6.32	
71)	Phenanthrene	1.112	1.059	1.064	0.908	0.865	0.836	0.788	0.947	13.58	
72)	Anthracene	1.109	1.059	1.067	0.903	0.853	0.848	0.786	0.946	13.61	
73)	Carbazole	1.058	1.014	1.017	0.878	0.820	0.813	0.748	0.907	13.41	
74)	Di-n-butylphth...	1.218	1.176	1.204	1.046	0.979	0.963	0.887	1.067	12.38	
75) C	Fluoranthene	1.207	1.130	1.143	0.984	0.910	0.893	0.824	1.013	14.50	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.723	0.525	0.532	0.492	0.364	0.339	0.254	0.461	33.80	
78)	Pyrene	1.554	1.525	1.628	1.477	1.457	1.480	1.425	1.507	4.53	
79) S	Terphenyl-d14	1.151	1.096	1.124	1.002	0.958	0.982	0.933	1.035	8.39	
80)	Butylbenzylphth...	0.605	0.603	0.685	0.650	0.638	0.646	0.621	0.636	4.55	
81)	Benzo(a)anthra...	1.355	1.296	1.334	1.136	1.098	1.088	1.015	1.189	11.48	
82)	3,3'-Dichlorob...	0.345	0.339	0.344	0.302	0.275	0.274	0.252	0.304	12.68	
83)	Chrysene	1.331	1.275	1.339	1.199	1.157	1.138	1.083	1.217	8.16	
84)	Bis(2-ethylhex...	0.791	0.794	0.844	0.761	0.740	0.745	0.706	0.769	5.88	
85) c	Di-n-octyl pht...	1.364	1.378	1.494	1.369	1.301	1.320	1.246	1.353	5.74	

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86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.186 1.125 1.180 1.168 1.166 1.244 1.189 1.180	3.02
88)	Benzo(b)fluora...	1.295 1.251 1.370 1.285 1.163 1.171 1.176 1.244	6.29
89)	Benzo(k)fluora...	1.283 1.259 1.287 1.106 1.054 1.119 0.961 1.153	10.99
90) C	Benzo(a)pyrene	1.054 1.025 1.095 0.990 0.936 0.966 0.921 0.998	6.37
91)	Dibenzo(a,h)an...	0.998 0.949 0.995 0.965 0.965 1.016 0.959 0.978	2.51
92)	Benzo(g,h,i)pe...	0.963 0.893 0.944 0.970 0.975 1.047 1.000 0.970	4.91

(#) = Out of Range