

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF122419.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF118300.D 20 =BF118301.D 40 =BF118302.D 50 =BF118303.D 60 =BF118304.D 80 =BF118305.D 100 =BF118306.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.508	0.489	0.446	0.510	0.436	0.448	0.422	0.466	7.73
3)	Pyridine	1.192	1.273	1.201	1.412	1.208	1.232	1.168	1.241	6.64
4)	n-Nitrosodimet...	0.515	0.508	0.507	0.565	0.507	0.504	0.485	0.513	4.82
5) S	2-Fluorophenol	1.311	1.255	1.141	1.270	1.104	1.098	1.022	1.172	9.18
6)	Aniline	2.055	1.961	1.794	2.002	1.754	1.745	1.608	1.846	8.83
7) S	Phenol-d6	1.651	1.563	1.388	1.569	1.374	1.363	1.266	1.453	9.65
8)	2-Chlorophenol	1.516	1.406	1.284	1.424	1.267	1.245	1.146	1.327	9.54
9)	Benzaldehyde	1.042	0.973	0.787	0.803	0.656			0.852	18.16
10) C	Phenol	1.821	1.711	1.572	1.783	1.556	1.543	1.450	1.634	8.48
11)	bis(2-Chloroet...	1.306	1.246	1.128	1.253	1.101	1.100	1.045	1.168	8.45
12)	1,3-Dichlorobe...	1.742	1.645	1.470	1.645	1.440	1.424	1.332	1.528	9.76
13) C	1,4-Dichlorobe...	1.791	1.656	1.504	1.671	1.468	1.435	1.342	1.552	10.15
14)	1,2-Dichlorobe...	1.703	1.600	1.421	1.572	1.360	1.353	1.249	1.466	11.07
15)	Benzyl Alcohol	1.214	1.197	1.076	1.209	1.048	1.045	0.958	1.107	9.05
16)	2,2'-oxybis(1-...	1.417	1.331	1.199	1.345	1.167	1.165	1.101	1.247	9.39
17)	2-Methylphenol	1.173	1.135	1.031	1.147	1.008	1.022	0.934	1.064	8.29
18)	Hexachloroethane	0.644	0.609	0.548	0.607	0.535	0.542	0.504	0.570	8.84
19) P	n-Nitroso-di-n...	1.023	0.961	0.855	0.954	0.846	0.849	0.780	0.895	9.51
20)	3+4-Methylphenols	1.566	1.469	1.343	1.489	1.277	1.256	1.135	1.362	11.19
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.538	0.515	0.464	0.523	0.465	0.468	0.460	0.490	6.84
23) S	Nitrobenzene-d5	0.371	0.361	0.328	0.373	0.336	0.343	0.336	0.350	5.30
24)	Nitrobenzene	0.369	0.369	0.330	0.375	0.334	0.340	0.335	0.350	5.60
25)	Isophorone	0.652	0.629	0.569	0.647	0.585	0.596	0.587	0.609	5.40
26) C	2-Nitrophenol	0.183	0.187	0.175	0.199	0.183	0.187	0.184	0.186	3.93
27)	2,4-Dimethylph...	0.267	0.261	0.237	0.272	0.246	0.247	0.242	0.253	5.34
28)	bis(2-Chloroet...	0.435	0.417	0.374	0.426	0.378	0.383	0.376	0.399	6.61
29) C	2,4-Dichloroph...	0.313	0.304	0.273	0.311	0.278	0.284	0.276	0.291	6.04
30)	1,2,4-Trichlor...	0.371	0.355	0.318	0.359	0.327	0.327	0.319	0.339	6.37
31)	Naphthalene	1.138	1.086	0.960	1.078	0.970	0.960	0.924	1.017	8.08
32)	Benzoic acid	0.131	0.170	0.188	0.230	0.214	0.228	0.228	0.199	18.87
33)	4-Chloroaniline	0.479	0.455	0.411	0.468	0.410	0.418	0.409	0.436	7.01
34) C	Hexachlorobuta...	0.218	0.208	0.191	0.217	0.192	0.196	0.192	0.202	6.04
35)	Caprolactam	0.095	0.096	0.087	0.099	0.089	0.089	0.081	0.091	6.77
36) C	4-Chloro-3-met...	0.338	0.328	0.292	0.336	0.299	0.302	0.294	0.313	6.54
37)	2-Methylnaphth...	0.777	0.745	0.662	0.740	0.657	0.660	0.630	0.696	8.17
38)	1-Methylnaphth...	0.738	0.703	0.614	0.696	0.620	0.624	0.595	0.656	8.42

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.635	0.630	0.568	0.649	0.581	0.581	0.563	0.601	5.94	
41) P	Hexachlorocycl...	0.099	0.153	0.190	0.244	0.235	0.258	0.261	0.206	29.80	
42) S	2,4,6-Tribromo...	0.263	0.258	0.238	0.264	0.234	0.240	0.233	0.247	5.70	
43) C	2,4,6-Trichlor...	0.415	0.406	0.381	0.435	0.391	0.399	0.383	0.401	4.76	
44)	2,4,5-Trichlor...	0.428	0.420	0.394	0.451	0.403	0.409	0.387	0.413	5.32	
45) S	2-Fluorobiphenyl	1.515	1.434	1.268	1.387	1.224	1.212	1.134	1.310	10.47	
46)	1,1'-Biphenyl	1.733	1.689	1.508	1.688	1.514	1.507	1.434	1.582	7.44	
47)	2-Chloronaphth...	1.383	1.344	1.229	1.356	1.220	1.223	1.156	1.273	6.80	
48)	2-Nitroaniline	0.376	0.372	0.343	0.389	0.346	0.358	0.334	0.360	5.58	
49)	Acenaphthylene	2.127	2.021	1.818	2.027	1.788	1.782	1.654	1.888	9.04	
50)	Dimethylphthalate	1.631	1.583	1.420	1.602	1.428	1.456	1.389	1.501	6.68	
51)	2,6-Dinitrotol...	0.344	0.340	0.308	0.351	0.306	0.314	0.303	0.324	6.26	
52) C	Acenaphthene	1.256	1.222	1.100	1.234	1.095	1.103	1.041	1.150	7.38	
53)	3-Nitroaniline	0.393	0.391	0.368	0.413	0.364	0.372	0.358	0.380	5.23	
54) P	2,4-Dinitrophenol	0.105	0.132	0.139	0.164	0.152	0.168	0.165	0.146	15.64	
55)	Dibenzofuran	1.918	1.856	1.641	1.811	1.617	1.571	1.482	1.699	9.57	
56) P	4-Nitrophenol	0.202	0.232	0.226	0.263	0.238	0.245	0.236	0.235	7.93	
57)	2,4-Dinitrotol...	0.443	0.463	0.414	0.473	0.423	0.420	0.393	0.432	6.54	
58)	Fluorene	1.540	1.478	1.326	1.472	1.279	1.302	1.205	1.372	9.06	
59)	2,3,4,6-Tetrac...	0.370	0.357	0.340	0.380	0.341	0.342	0.327	0.351	5.43	
60)	Diethylphthalate	1.616	1.598	1.425	1.603	1.405	1.417	1.335	1.485	7.82	
61)	4-Chlorophenyl...	0.761	0.742	0.663	0.730	0.644	0.650	0.605	0.685	8.63	
62)	4-Nitroaniline	0.418	0.414	0.385	0.431	0.376	0.384	0.355	0.395	6.86	
63)	Azobenzene	1.411	1.366	1.212	1.361	1.207	1.200	1.147	1.272	8.18	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.088	0.100	0.105	0.120	0.110	0.117	0.116	0.108	10.53	
66) c	n-Nitrosodipe...	0.691	0.671	0.612	0.688	0.606	0.623	0.596	0.641	6.41	
67)	4-Bromophenyl-...	0.254	0.243	0.222	0.247	0.222	0.228	0.222	0.234	5.89	
68)	Hexachlorobenzene	0.297	0.291	0.259	0.294	0.259	0.266	0.263	0.276	6.33	
69)	Atrazine	0.228	0.214	0.196	0.207	0.186	0.182	0.172	0.198	9.96	
70) C	Pentachlorophenol	0.103	0.108	0.116	0.134	0.120	0.127	0.127	0.119	9.44	
71)	Phenanthrene	1.243	1.177	1.040	1.147	1.026	1.021	0.977	1.090	9.05	
72)	Anthracene	1.254	1.172	1.042	1.159	1.019	1.024	0.968	1.091	9.54	
73)	Carbazole	1.098	1.041	0.919	1.032	0.911	0.904	0.872	0.968	8.97	
74)	Di-n-butylphth...	1.381	1.331	1.186	1.305	1.153	1.148	1.090	1.228	8.97	
75) C	Fluoranthene	1.279	1.206	1.068	1.163	1.025	1.011	0.950	1.100	10.77	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.636	0.537	0.569	0.564	0.434			0.548	13.39	
78)	Pyrene	1.707	1.632	1.504	1.745	1.602	1.620	1.623	1.633	4.74	
79) S	Terphenyl-d14	1.319	1.240	1.126	1.266	1.159	1.166	1.163	1.206	5.83	
80)	Butylbenzylphth...	0.748	0.729	0.690	0.781	0.731	0.745	0.724	0.735	3.76	
81)	Benzo(a)anthra...	1.531	1.468	1.321	1.486	1.328	1.350	1.316	1.400	6.54	
82)	3,3'-Dichlorob...	0.548	0.543	0.470	0.506	0.441	0.422	0.392	0.475	12.72	
83)	Chrysene	1.474	1.427	1.266	1.431	1.271	1.274	1.241	1.340	7.35	
84)	Bis(2-ethylhex...	1.000	0.966	0.915	1.045	0.951	0.947	0.945	0.967	4.42	
85) c	Di-n-octyl pht...	1.506	1.470	1.343	1.529	1.368	1.371	1.368	1.422	5.40	
86)	Indeno(1,2,3-c...	1.140	1.051	1.007	1.199	1.104	1.218	1.275	1.142	8.35	

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87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.371	1.454	1.234	1.382	1.296	1.233	1.323	1.328	6.13
89)		Benzo(k)fluora...	1.495	1.329	1.251	1.395	1.167	1.210	1.077	1.275	11.16
90)	C	Benzo(a)pyrene	1.250	1.225	1.108	1.253	1.108	1.126	1.116	1.170	5.93
91)		Dibenzo(a,h)an...	0.960	0.912	0.944	1.116	1.021	1.070	1.081	1.015	7.67
92)		Benzo(g,h,i)pe...	0.892	0.861	0.913	1.075	1.006	1.052	1.064	0.980	9.17

(#) = Out of Range