

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF040319.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 =BF113541.D 20 =BF113542.D 40 =BF113543.D 50 =BF113544.D 60 =BF113545.D 80 =BF113546.D 100 =BF113547.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.578	0.576	0.553	0.562	0.545	0.536	0.537	0.555	3.15
3)	Pyridine	1.325	1.472	1.493	1.559	1.414	1.443	1.471	1.454	4.99
4)	n-Nitrosodimet...	0.594	0.593	0.631	0.630	0.625	0.625	0.626	0.618	2.69
5) S	2-Fluorophenol	1.334	1.264	1.190	1.176	1.127	1.073	1.045	1.173	8.72
6)	Aniline		2.011	1.854	1.784	1.691	1.605	1.568	1.752	9.47
7) S	Phenol-d6	1.692	1.587	1.475	1.443	1.370	1.292	1.260	1.446	10.77
8)	2-Chlorophenol	1.546	1.474	1.386	1.360	1.306	1.233	1.195	1.357	9.23
9)	Benzaldehyde		1.044	0.930	0.870	0.795	0.681	0.837	0.860	14.32
10) C	Phenol	1.913	1.797	1.681	1.633	1.576	1.489	1.468	1.651	9.78
11)	bis(2-Chloroet...	1.385	1.362	1.305	1.286	1.258	1.207	1.186	1.284	5.77
12)	1,3-Dichlorobe...	1.641	1.565	1.488	1.455	1.402	1.347	1.332	1.461	7.75
13) C	1,4-Dichlorobe...	1.659	1.595	1.507	1.472	1.421	1.363	1.321	1.477	8.24
14)	1,2-Dichlorobe...	1.556	1.471	1.374	1.338	1.280	1.182	1.131	1.333	11.33
15)	Benzyl Alcohol		1.134	1.044	1.005	0.953	0.879	0.848	0.977	10.90
16)	2,2'-oxybis(1-...	2.276	2.188	2.062	1.988	1.912	1.814	1.753	1.999	9.55
17)	2-Methylphenol	1.202	1.139	1.071	1.042	1.000	0.962	0.945	1.052	8.91
18)	Hexachloroethane	0.590	0.570	0.549	0.539	0.518	0.502	0.494	0.538	6.56
19) P	n-Nitroso-di-n...	1.031	0.986	0.918	0.866	0.836	0.807	0.795	0.891	10.17
20)	3+4-Methylphenols	1.546	1.454	1.325	1.264	1.187	1.096	1.047	1.274	14.31
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.497	0.480	0.440	0.425	0.424	0.410	0.399	0.439	8.28
23) S	Nitrobenzene-d5	0.380	0.363	0.342	0.335	0.335	0.322	0.313	0.341	6.73
24)	Nitrobenzene	0.384	0.372	0.355	0.347	0.349	0.335	0.319	0.352	6.22
25)	Isophorone	0.715	0.692	0.654	0.639	0.644	0.633	0.627	0.658	5.00
26) C	2-Nitrophenol	0.196	0.199	0.191	0.190	0.188	0.184	0.176	0.189	3.94
27)	2,4-Dimethylph...	0.305	0.287	0.271	0.265	0.263	0.255	0.248	0.271	7.16
28)	bis(2-Chloroet...	0.463	0.449	0.420	0.409	0.404	0.391	0.375	0.416	7.49
29) C	2,4-Dichloroph...	0.321	0.311	0.293	0.289	0.286	0.271	0.255	0.289	7.71
30)	1,2,4-Trichlor...	0.349	0.337	0.317	0.306	0.310	0.297	0.284	0.314	7.13
31)	Naphthalene	1.133	1.066	0.983	0.949	0.939	0.882	0.833	0.969	10.64
32)	Benzoic acid		0.197	0.213	0.208	0.214	0.215	0.210	0.209	3.17
33)	4-Chloroaniline		0.432	0.401	0.386	0.378	0.358	0.351	0.384	7.72
34) C	Hexachlorobuta...	0.212	0.207	0.194	0.189	0.189	0.178	0.172	0.192	7.53
35)	Caprolactam	0.097	0.096	0.096	0.090	0.092	0.087	0.085	0.092	5.27
36) C	4-Chloro-3-met...	0.319	0.314	0.297	0.283	0.284	0.274	0.263	0.291	7.05
37)	2-Methylnaphth...	0.745	0.712	0.645	0.623	0.609	0.577	0.551	0.637	10.96
38)	1-Methylnaphth...	0.721	0.686	0.626	0.601	0.587	0.551	0.529	0.615	11.28

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.739	0.691	0.649	0.652	0.596	0.576	0.647	8.62		
41) P	Hexachlorocycl...	0.113	0.172	0.195	0.209	0.226	0.237	0.192	23.48		
42) S	2,4,6-Tribromo...	0.278	0.266	0.250	0.239	0.227	0.214	0.208	10.94		
43) C	2,4,6-Trichlor...	0.434	0.427	0.410	0.414	0.404	0.387	0.381	4.76		
44)	2,4,5-Trichlor...	0.462	0.468	0.441	0.442	0.434	0.414	0.406	5.21		
45) S	2-Fluorobiphenyl	1.493	1.313	1.270	1.221	1.096	1.061	1.242	12.64		
46)	1,1'-Biphenyl	1.955	1.820	1.660	1.638	1.588	1.463	1.427	11.36		
47)	2-Chloronaphth...	1.427	1.342	1.251	1.254	1.206	1.144	1.123	8.59		
48)	2-Nitroaniline	0.409	0.397	0.385	0.385	0.380	0.361	0.359	4.74		
49)	Acenaphthylene	2.443	2.261	2.074	2.032	1.933	1.770	1.711	12.78		
50)	Dimethylphthalate	1.633	1.565	1.479	1.461	1.432	1.382	1.368	6.49		
51)	2,6-Dinitrotol...	0.349	0.348	0.332	0.323	0.322	0.303	0.298	6.19		
52) C	Acenaphthene	1.379	1.269	1.166	1.160	1.103	1.044	1.021	10.88		
53)	3-Nitroaniline	0.411	0.394	0.374	0.371	0.359	0.341	0.336	7.31		
54) P	2,4-Dinitrophenol	0.128	0.162	0.150	0.155	0.156	0.160	0.152	8.08		
55)	Dibenzofuran	2.107	1.931	1.735	1.667	1.608	1.470	1.425	14.32		
56) P	4-Nitrophenol	0.224	0.235	0.232	0.232	0.226	0.226	0.229	1.85		
57)	2,4-Dinitrotol...	0.460	0.437	0.404	0.395	0.371	0.345	0.340	11.47		
58)	Fluorene	1.663	1.529	1.360	1.332	1.278	1.167	1.117	14.29		
59)	2,3,4,6-Tetrac...	0.408	0.394	0.386	0.374	0.388	0.360	0.346	5.53		
60)	Diethylphthalate	1.637	1.556	1.452	1.397	1.367	1.281	1.259	9.77		
61)	4-Chlorophenyl...	0.802	0.757	0.678	0.663	0.626	0.583	0.538	14.00		
62)	4-Nitroaniline	0.413	0.400	0.383	0.379	0.367	0.350	0.339	7.05		
63)	Azobenzene	1.538	1.466	1.370	1.333	1.298	1.218	1.198	9.23		
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.101	0.105	0.105	0.107	0.107	0.107	0.105	2.15		
66) c	n-Nitrosodiphe...	0.703	0.659	0.615	0.606	0.589	0.567	0.560	8.34		
67)	4-Bromophenyl-...	0.252	0.241	0.227	0.222	0.215	0.208	0.205	7.71		
68)	Hexachlorobenzene	0.290	0.274	0.260	0.254	0.252	0.238	0.231	7.85		
69)	Atrazine	0.223	0.214	0.197	0.190	0.184	0.177	0.170	10.04		
70) C	Pentachlorophenol	0.116	0.121	0.124	0.122	0.123	0.121	0.121	2.47		
71)	Phenanthrene	1.185	1.100	1.012	0.968	0.940	0.892	0.860	11.62		
72)	Anthracene	1.208	1.129	1.026	0.981	0.962	0.894	0.878	11.98		
73)	Carbazole	1.135	1.049	0.962	0.926	0.893	0.843	0.812	12.08		
74)	Di-n-butylphth...	1.321	1.271	1.160	1.080	1.060	1.012	0.970	11.72		
75) C	Fluoranthene	1.306	1.236	1.096	1.022	0.990	0.921	0.883	14.84		
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.830	0.796	0.736	0.768	0.793	0.539	0.744	14.15		
78)	Pyrene	1.600	1.515	1.512	1.541	1.522	1.501	1.461	2.78		
79) S	Terphenyl-d14	1.137	1.036	0.975	0.984	0.960	0.913	0.871	8.78		
80)	Butylbenzylpht...	0.632	0.630	0.628	0.612	0.618	0.615	0.601	1.80		
81)	Benzo(a)anthra...	1.291	1.230	1.171	1.136	1.119	1.083	1.047	7.32		
82)	3,3'-Dichlorob...	0.513	0.504	0.459	0.438	0.436	0.392	0.369	12.01		
83)	Chrysene	1.314	1.219	1.167	1.160	1.135	1.117	1.075	6.63		
84)	Bis(2-ethylhex...	0.786	0.811	0.760	0.726	0.729	0.724	0.707	5.08		
85) c	Di-n-octyl pht...	1.234	1.329	1.214	1.172	1.199	1.189	1.185	4.38		
86)	Indeno(1,2,3-c...	0.991	0.946	0.939	1.132	1.142	1.228	1.182	11.01		

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.377	1.304	1.208	1.283	1.189	1.093	1.116	1.224	8.41
89)	Benzo(k)fluora...	1.244	1.201	1.173	1.002	1.048	1.030	0.993	1.099	9.45
90) C	Benzo(a)pyrene	1.186	1.147	1.089	1.083	1.068	1.021	1.022	1.088	5.61
91)	Dibenzo(a,h)an...	0.985	0.925	0.970	1.075	1.059	1.069	1.038	1.017	5.68
92)	Benzo(g,h,i)pe...	0.947	0.869	0.976	1.115	1.106	1.138	1.118	1.038	10.23

(#) = Out of Range