

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF112618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF110952.D 10 =BF110953.D 25 =BF110954.D 40 =BF110955.D 50 =BF110956.D 60 =BF110957.D 80 =BF110958.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.530	0.600	0.591	0.577	0.581	0.587	0.578	0.578	3.88
3)	Pyridine		1.209	1.246	1.292	1.280	1.300	1.265	1.265	2.68
4)	n-Nitrosodimet...		0.529	0.577	0.570	0.593	0.604	0.599	0.579	4.80
5) S	2-Fluorophenol	1.062	1.221	1.256	1.255	1.234	1.229	1.186	1.206	5.63
6)	Aniline	1.821	1.974	2.012	2.002	1.967	1.946	1.878	1.943	3.58
7) S	Phenol-d6	1.620	1.646	1.599	1.567	1.536	1.539	1.496	1.572	3.36
8)	2-Chlorophenol	1.404	1.479	1.499	1.432	1.409	1.416	1.365	1.429	3.22
9)	Benzaldehyde		1.081	0.956	0.842	0.778	0.734	0.642	0.839	18.87
10) C	Phenol	1.603	1.829	1.829	1.822	1.792	1.799	1.715	1.770	4.73
11)	bis(2-Chloroet...	1.395	1.315	1.393	1.308	1.310	1.326	1.288	1.333	3.22
12)	1,3-Dichlorobe...	1.613	1.618	1.614	1.566	1.539	1.551	1.491	1.570	3.04
13) C	1,4-Dichlorobe...	1.696	1.672	1.667	1.610	1.583	1.560	1.515	1.615	4.13
14)	1,2-Dichlorobe...	1.625	1.597	1.557	1.516	1.479	1.474	1.390	1.520	5.30
15)	Benzyl Alcohol	1.182	1.245	1.247	1.233	1.206	1.202	1.140	1.208	3.18
16)	2,2'-oxybis(1-...	2.260	2.256	2.170	2.106	2.059	2.064	1.940	2.122	5.45
17)	2-Methylphenol	1.173	1.197	1.169	1.134	1.105	1.116	1.061	1.136	4.11
18)	Hexachloroethane	0.613	0.599	0.615	0.595	0.580	0.585	0.572	0.594	2.75
19) P	n-Nitroso-di-n...	1.004	1.096	1.052	1.026	1.009	1.013	0.966	1.024	4.01
20)	3+4-Methylphenols	1.642	1.614	1.575	1.504	1.446	1.453	1.341	1.511	7.08
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.479	0.489	0.483	0.475	0.459	0.453	0.444	0.469	3.59
23) S	Nitrobenzene-d5	0.348	0.354	0.356	0.354	0.347	0.345	0.343	0.349	1.43
24)	Nitrobenzene	0.395	0.363	0.366	0.363	0.356	0.353	0.349	0.363	4.18
25)	Isophorone	0.572	0.584	0.573	0.580	0.566	0.570	0.568	0.573	1.15
26) C	2-Nitrophenol	0.154	0.171	0.179	0.184	0.183	0.183	0.182	0.177	6.13
27)	2,4-Dimethylph...	0.259	0.268	0.277	0.277	0.255	0.267	0.263	0.267	3.18
28)	bis(2-Chloroet...	0.387	0.392	0.390	0.389	0.378	0.380	0.372	0.384	1.86
29) C	2,4-Dichloroph...	0.261	0.280	0.287	0.292	0.282	0.278	0.274	0.279	3.58
30)	1,2,4-Trichlor...	0.310	0.321	0.323	0.319	0.307	0.306	0.303	0.313	2.60
31)	Naphthalene	0.993	0.975	0.956	0.941	0.912	0.901	0.883	0.938	4.33
32)	Benzoic acid		0.165	0.193	0.205	0.206	0.204	0.216	0.198	9.06
33)	4-Chloroaniline	0.371	0.420	0.421	0.409	0.397	0.388	0.388	0.399	4.63
34) C	Hexachlorobuta...	0.176	0.185	0.183	0.180	0.175	0.174	0.174	0.178	2.57
35)	Caprolactam		0.095	0.098	0.097	0.095	0.096	0.091	0.095	2.43
36) C	4-Chloro-3-met...	0.300	0.324	0.315	0.321	0.307	0.306	0.297	0.310	3.26
37)	2-Methylnaphth...	0.646	0.638	0.633	0.626	0.610	0.596	0.585	0.619	3.67
38)	1-Methylnaphth...	0.666	0.621	0.604	0.599	0.584	0.577	0.564	0.602	5.60

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.634	0.654	0.643	0.635	0.617	0.615	0.607	0.629	2.68	
41) P	Hexachlorocycl...	0.005	0.034	0.063	0.074	0.090	0.114	0.063	61.90		
42) S	2,4,6-Tribromo...	0.204	0.205	0.203	0.202	0.193	0.195	0.189	0.199	3.11	
43) C	2,4,6-Trichlor...	0.335	0.381	0.388	0.390	0.377	0.384	0.376	0.376	4.97	
44)	2,4,5-Trichlor...	0.358	0.417	0.399	0.410	0.401	0.394	0.390	0.396	4.78	
45) S	2-Fluorobiphenyl	1.563	1.510	1.398	1.354	1.309	1.274	1.256	1.380	8.51	
46)	1,1'-Biphenyl	1.965	1.921	1.874	1.852	1.784	1.780	1.732	1.844	4.54	
47)	2-Chloronaphth...	1.409	1.387	1.339	1.346	1.301	1.302	1.274	1.337	3.65	
48)	2-Nitroaniline	0.408	0.421	0.423	0.424	0.417	0.419	0.416	0.418	1.28	
49)	Acenaphthylene	2.042	2.025	1.929	1.901	1.821	1.834	1.756	1.901	5.60	
50)	Dimethylphthalate	1.620	1.539	1.468	1.453	1.398	1.415	1.374	1.467	5.90	
51)	2,6-Dinitrotol...	0.315	0.339	0.330	0.333	0.320	0.331	0.319	0.327	2.70	
52) C	Acenaphthene	1.307	1.296	1.213	1.216	1.180	1.175	1.143	1.219	5.08	
53)	3-Nitroaniline	0.366	0.393	0.391	0.387	0.375	0.377	0.375	0.381	2.64	
54) P	2,4-Dinitrophenol	0.067	0.097	0.117	0.119	0.107	0.115	0.104	18.79		
55)	Dibenzofuran	2.004	1.935	1.816	1.752	1.667	1.665	1.606	1.778	8.35	
56) P	4-Nitrophenol	0.130	0.185	0.205	0.200	0.207	0.213	0.190	16.21		
57)	2,4-Dinitrotol...	0.427	0.452	0.434	0.432	0.412	0.414	0.395	0.424	4.32	
58)	Fluorene	1.487	1.473	1.409	1.382	1.310	1.335	1.286	1.383	5.66	
59)	2,3,4,6-Tetrac...	0.319	0.341	0.358	0.326	0.318	0.310	0.302	0.325	5.90	
60)	Diethylphthalate	1.640	1.620	1.523	1.488	1.447	1.451	1.420	1.513	5.74	
61)	4-Chlorophenyl...	0.780	0.782	0.731	0.722	0.690	0.693	0.667	0.724	6.17	
62)	4-Nitroaniline	0.339	0.365	0.376	0.362	0.346	0.351	0.342	0.354	3.88	
63)	Azobenzene	1.575	1.559	1.497	1.471	1.410	1.420	1.388	1.474	4.99	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.072	0.089	0.098	0.101	0.102	0.106	0.095	13.30		
66) c	n-Nitrosodiphe...	0.680	0.694	0.677	0.674	0.651	0.647	0.637	0.666	3.11	
67)	4-Bromophenyl-...	0.222	0.224	0.220	0.223	0.213	0.213	0.208	0.218	2.91	
68)	Hexachlorobenzene	0.242	0.238	0.235	0.234	0.227	0.227	0.221	0.232	3.09	
69)	Atrazine	0.223	0.209	0.194	0.168	0.136	0.097	0.171	27.80		
70) C	Pentachlorophenol	0.073	0.096	0.099	0.096	0.094	0.095	0.092	10.19		
71)	Phenanthrene	1.145	1.112	1.079	1.059	1.020	1.020	0.980	1.059	5.45	
72)	Anthracene	1.159	1.144	1.096	1.085	1.046	1.026	0.996	1.079	5.56	
73)	Carbazole	1.098	1.118	1.078	1.053	1.013	1.003	0.966	1.047	5.28	
74)	Di-n-butylphth...	1.292	1.299	1.253	1.233	1.185	1.176	1.132	1.224	5.10	
75) C	Fluoranthene	1.185	1.163	1.116	1.087	1.033	1.046	0.991	1.089	6.49	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.712	0.726	0.566	0.465	0.463	0.344	0.304	0.512	32.39	
78)	Pyrene	1.383	1.439	1.446	1.469	1.471	1.468	1.549	1.461	3.38	
79) S	Terphenyl-d14	1.055	1.074	1.036	1.016	0.991	0.989	1.031	1.027	3.06	
80)	Butylbenzylphth...	0.612	0.630	0.658	0.676	0.661	0.680	0.700	0.659	4.59	
81)	Benzo(a)anthra...	1.179	1.191	1.197	1.203	1.151	1.181	1.164	1.181	1.56	
82)	3,3'-Dichlorob...	0.436	0.460	0.444	0.418	0.380	0.365	0.332	0.405	11.58	
83)	Chrysene	1.220	1.184	1.189	1.173	1.125	1.136	1.110	1.162	3.41	
84)	Bis(2-ethylhex...	0.829	0.867	0.879	0.894	0.876	0.897	0.908	0.879	2.95	
85) c	Di-n-octyl pht...	1.374	1.399	1.430	1.422	1.370	1.377	1.338	1.387	2.31	
86)	Indeno(1,2,3-c...	0.907	0.846	0.758	0.801	0.799	0.837	0.893	0.834	6.39	

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.099	1.144	1.237	1.208	1.182	1.157	1.198	1.175		3.89
89)	Benzo(k)fluora...	1.249	1.238	1.196	1.242	1.207	1.209	1.126	1.209		3.47
90) C	Benzo(a)pyrene	1.148	1.089	1.088	1.096	1.064	1.093	1.077	1.094		2.41
91)	Dibenzo(a,h)an...	0.877	0.835	0.824	0.908	0.920	0.951	1.002	0.902		7.00
92)	Benzo(g,h,i)pe...	0.803	0.780	0.773	0.887	0.912	0.937	0.998	0.870		9.94

(#) = Out of Range