

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF061020.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 =BF120586.D 20 =BF120587.D 40 =BF120588.D 50 =BF120589.D 60 =BF120590.D 80 =BF120593.D 100 =BF120592.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.577	0.603	0.626	0.564	0.513	0.494	0.493	0.553	9.67
3)	Pyridine	1.542	1.670	1.778	1.599	1.477	1.425	1.390	1.554	8.92
4)	n-Nitrosodimet...	0.629	0.701	0.739	0.658	0.612	0.601	0.574	0.645	9.05
5) S	2-Fluorophenol	1.358	1.304	1.282	1.186	1.078	1.010	0.949	1.167	13.50
6)	Aniline	1.861	1.940	2.205	1.912	1.835	1.667	1.597	1.859	10.65
7) S	Phenol-d6	1.506	1.590	1.700	1.475	1.445	1.274	1.180	1.453	12.23
8)	2-Chlorophenol	1.503	1.469	1.505	1.290	1.252	1.128	1.081	1.318	13.47
9)	Benzaldehyde	1.093	0.994	1.056	0.923	0.834	0.813	0.719	0.919	14.94
10) C	Phenol	1.645	1.719	1.836	1.590	1.492	1.323	1.247	1.550	13.62
11)	bis(2-Chloroet...	1.407	1.396	1.468	1.268	1.253	1.151	1.096	1.291	10.73
12)	1,3-Dichlorobe...	1.514	1.577	1.578	1.391	1.359	1.236	1.155	1.401	11.80
13) C	1,4-Dichlorobe...	1.511	1.599	1.490	1.399	1.297	1.267	1.116	1.383	12.07
14)	1,2-Dichlorobe...	1.471	1.532	1.493	1.298	1.184	1.104		1.347	13.23
15)	Benzyl Alcohol	1.140	1.204	1.174	1.045	0.945	0.905	0.799	1.030	14.79
16)	2,2'-oxybis(1-...	1.970	2.094	2.055	1.902	1.670	1.759	1.564	1.859	10.77
17)	2-Methylphenol	1.177	1.289	1.166	1.124	1.036	1.085	0.994	1.124	8.75
18)	Hexachloroethane	0.555	0.576	0.558	0.515	0.465	0.460	0.438	0.510	10.91
19) P	n-Nitroso-di-n...	0.952	0.968	0.915	0.826	0.745	0.765	0.728	0.843	12.04
20)	3+4-Methylphenols	1.567	1.581	1.470	1.273	1.134			1.405	13.89
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.518	0.543	0.455	0.421	0.401	0.434	0.358	0.447	14.51
23) S	Nitrobenzene-d5	0.358	0.417	0.369	0.348	0.330	0.369	0.314	0.358	9.19
24)	Nitrobenzene	0.378	0.443	0.366	0.371	0.350	0.388	0.326	0.374	9.69
25)	Isophorone	0.693	0.815	0.718	0.666	0.642	0.737	0.609	0.697	9.76
26) C	2-Nitrophenol	0.188	0.230	0.212	0.195	0.187	0.201	0.173	0.198	9.35
27)	2,4-Dimethylph...	0.285	0.341	0.309	0.282	0.272	0.301	0.251	0.292	9.86
28)	bis(2-Chloroet...	0.433	0.434	0.455	0.408	0.386	0.374	0.338	0.404	10.03
29) C	2,4-Dichloroph...	0.304	0.320	0.335	0.295	0.282	0.275	0.264	0.296	8.44
30)	1,2,4-Trichlor...	0.350	0.361	0.368	0.326	0.298	0.310	0.287	0.329	9.71
31)	Naphthalene	1.090	1.111	1.068	0.987	0.956	0.869	0.794	0.982	12.09
32)	Benzoic acid	0.154	0.221	0.254	0.242	0.240	0.237	0.218	0.224	14.82
33)	4-Chloroaniline	0.467	0.483	0.475	0.451	0.442	0.419	0.418	0.451	5.76
34) C	Hexachlorobuta...	0.211	0.216	0.196	0.194	0.191	0.174	0.158	0.192	10.50
35)	Caprolactam	0.095	0.097	0.093	0.098	0.090	0.093	0.098	0.095	3.06
36) C	4-Chloro-3-met...	0.311	0.325	0.299	0.300	0.276	0.295	0.267	0.296	6.64
37)	2-Methylnaphth...	0.738	0.742	0.656	0.646	0.594	0.585	0.527	0.641	12.44
38)	1-Methylnaphth...	0.691	0.697	0.625	0.616	0.558	0.541	0.493	0.603	12.71

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.651	0.673	0.654	0.581	0.563	0.562	0.496	0.597	10.74	
41) P	Hexachlorocycl...	0.284	0.341	0.363	0.337	0.331	0.362	0.324	0.335	7.94	
42) S	2,4,6-Tribromo...	0.255	0.257	0.258	0.229	0.222	0.217	0.188	0.233	11.23	
43) C	2,4,6-Trichlor...	0.426	0.457	0.462	0.414	0.407	0.415	0.385	0.424	6.49	
44)	2,4,5-Trichlor...	0.485	0.522	0.527	0.476	0.464	0.461	0.430	0.481	7.20	
45) S	2-Fluorobiphenyl	1.467	1.465	1.331	1.165	1.108			1.307	12.75	
46)	1,1'-Biphenyl	1.668	1.729	1.644	1.463	1.394	1.350	1.206	1.493	12.90	
47)	2-Chloronaphth...	1.327	1.388	1.341	1.210	1.151	1.125	1.006	1.221	11.29	
48)	2-Nitroaniline	0.380	0.416	0.416	0.396	0.369	0.379	0.329	0.384	7.89	
49)	Acenaphthylene	2.092	2.153	2.095	1.876	1.773	1.695	1.509	1.885	12.80	
50)	Dimethylphthalate	1.548	1.554	1.555	1.414	1.358	1.378	1.276	1.440	7.83	
51)	2,6-Dinitrotol...	0.336	0.350	0.357	0.330	0.311	0.313	0.289	0.326	7.32	
52) C	Acenaphthene	1.252	1.289	1.240	1.111	1.052	1.005	0.920	1.124	12.50	
53)	3-Nitroaniline	0.392	0.420	0.422	0.400	0.374	0.381	0.355	0.392	6.20	
54) P	2,4-Dinitrophenol	0.111	0.158	0.185	0.190	0.196	0.201	0.184	0.175	17.89	
55)	Dibenzofuran	1.954	1.981	1.893	1.698	1.692	1.505	1.341	1.724	13.89	
56) P	4-Nitrophenol	0.263	0.311	0.317	0.300	0.308	0.292	0.277	0.295	6.61	
57)	2,4-Dinitrotol...	0.446	0.477	0.473	0.443	0.436	0.397	0.361	0.433	9.52	
58)	Fluorene	1.519	1.507	1.415	1.243	1.171	1.117		1.329	13.14	
59)	2,3,4,6-Tetrac...	0.386	0.402	0.411	0.379	0.369	0.360	0.339	0.378	6.50	
60)	Diethylphthalate	1.568	1.548	1.562	1.394	1.321	1.312	1.225	1.419	9.92	
61)	4-Chlorophenyl...	0.794	0.783	0.737	0.636	0.599	0.569		0.686	14.19	
62)	4-Nitroaniline	0.381	0.423	0.425	0.399	0.374	0.384	0.339	0.389	7.69	
63)	Azobenzene	1.407	1.445	1.421	1.302	1.208	1.194	1.038	1.288	11.63	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.094	0.119	0.130	0.128	0.123	0.126	0.120	0.120	10.15	
66) c	n-Nitrosodiphe...	0.666	0.699	0.660	0.621	0.574	0.563	0.517	0.614	10.66	
67)	4-Bromophenyl-...	0.246	0.250	0.249	0.227	0.214	0.209	0.194	0.227	9.81	
68)	Hexachlorobenzene	0.265	0.270	0.264	0.245	0.230	0.227	0.208	0.244	9.66	
69)	Atrazine	0.204	0.208	0.205	0.187	0.180	0.181	0.165	0.190	8.42	
70) C	Pentachlorophenol	0.106	0.134	0.151	0.144	0.138	0.142	0.135	0.136	10.63	
71)	Phenanthrene	1.128	1.162	1.088	0.983	0.913	0.872	0.813	0.994	13.59	
72)	Anthracene	1.131	1.164	1.099	1.008	0.926	0.885	0.802	1.002	13.62	
73)	Carbazole	1.091	1.133	1.078	0.996	0.965	0.873	0.808	0.992	12.04	
74)	Di-n-butylphth...	1.280	1.252	1.232	1.121	1.026	1.003	0.893	1.115	13.17	
75) C	Fluoranthene	1.254	1.302	1.314	1.183	1.028	0.989	0.887	1.137	14.83	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.743	0.714	0.781	0.653	0.647	0.652	0.544	0.676	11.49	
78)	Pyrene	1.504	1.589	1.582	1.374	1.257	1.354	1.258	1.417	10.02	
79) S	Terphenyl-d14	1.061	1.014	0.973	0.800	0.797	0.788		0.905	13.73	
80)	Butylbenzylpht...	0.678	0.622	0.696	0.604	0.600	0.621	0.583	0.629	6.69	
81)	Benzo(a)anthra...	1.314	1.363	1.292	1.169	1.123	1.122	1.027	1.202	10.25	
82)	3,3'-Dichlorob...	0.477	0.473	0.500	0.465	0.449	0.444	0.404	0.459	6.68	
83)	Chrysene	1.351	1.327	1.347	1.216	1.145	1.177	1.064	1.233	9.09	
84)	Bis(2-ethylhex...	0.897	0.795	0.830	0.746	0.702	0.738	0.667	0.768	10.23	
85) c	Di-n-octyl pht...	1.720	1.412	1.651	1.410	1.387	1.394	1.284	1.465	10.78	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.270	1.407	1.290	1.284	1.114	1.140	1.011	1.217	11.01	
88)	Benzo(b)fluora...	1.231	1.328	1.159	1.184	1.120	1.182	1.134	1.191	5.92	
89)	Benzo(k)fluora...	1.187	1.212	1.176	1.037	1.003	0.982	0.783	1.054	14.43	
90) C	Benzo(a)pyrene	1.121	1.176	1.159	1.070	1.021	1.026	0.892	1.066	9.19	
91)	Dibenzo(a,h)an...	1.056	1.143	1.033	1.028	0.877	0.909	0.782	0.976	12.72	
92)	Benzo(g,h,i)pe...	1.024	1.140	1.038	1.034	0.895	0.919	0.834	0.983	10.69	

(#) = Out of Range