

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF060920.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 =BF120577.D 20 =BF120578.D 40 =BF120579.D 50 =BF120580.D 60 =BF120581.D 80 =BF120582.D 100 =BF120583.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.503	0.609	0.568	0.490	0.560	0.547	0.460	0.534	9.70
3)	Pyridine	1.358	1.707	1.414	1.298	1.472	1.530	1.222	1.429	11.23
4)	n-Nitrosodimet...	0.570	0.695	0.604	0.553	0.624	0.657	0.529	0.605	9.76
5) S	2-Fluorophenol	1.164	1.292	1.028	0.863	0.996	0.995	0.821	1.023	15.98
6)	Aniline	2.016	2.249	1.926	1.551	1.592	1.538	1.380	1.750	18.03
7) S	Phenol-d6	1.482	1.661	1.421	1.125	1.191	1.196	1.000	1.296	17.85
8)	2-Chlorophenol	1.330	1.526	1.295	1.105	1.090	0.987	0.941	1.182	17.74
9)	Benzaldehyde	0.928	0.925	0.682	0.599	0.584	0.549	0.418	0.669	28.73
10) C	Phenol	1.752	1.958	1.647	1.310	1.365	1.349	1.139	1.503	19.26
11)	bis(2-Chloroet...	1.320	1.501	1.283	1.096	1.096	0.982	0.974	1.179	16.57
12)	1,3-Dichlorobe...	1.452	1.657	1.419	1.204	1.188	1.054	1.032	1.286	17.91
13) C	1,4-Dichlorobe...	1.472	1.629	1.408	1.207	1.194	1.125	1.061	1.300	15.93
14)	1,2-Dichlorobe...	1.404	1.632	1.330	1.118	1.056	1.064		1.267	18.12
15)	Benzyl Alcohol	1.109	1.284	1.072	0.882	0.892	0.789		1.004	18.23
16)	2,2'-oxybis(1-...	2.019	2.258	1.864	1.529	1.721	1.357	1.436	1.741	18.85
17)	2-Methylphenol	1.174	1.343	1.127	0.951	0.912	0.861	0.897	1.038	17.35
18)	Hexachloroethane	0.527	0.603	0.484	0.426	0.474	0.411	0.402	0.475	15.13
19) P	n-Nitroso-di-n...	0.944	1.008	0.778	0.704	0.758	0.709	0.670	0.796	16.26
20)	3+4-Methylphenols	1.490	1.631	1.210	1.045	1.095			1.294	19.74
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.482	0.519	0.423	0.379	0.385	0.365	0.325	0.411	16.63
23) S	Nitrobenzene-d5	0.346	0.367	0.328	0.301	0.324	0.305	0.275	0.321	9.42
24)	Nitrobenzene	0.366	0.389	0.342	0.319	0.341	0.318	0.282	0.337	10.35
25)	Isophorone	0.668	0.749	0.625	0.555	0.658	0.537	0.553	0.621	12.48
26) C	2-Nitrophenol	0.172	0.210	0.181	0.160	0.176	0.159	0.158	0.174	10.56
27)	2,4-Dimethylph...	0.273	0.293	0.266	0.234	0.262	0.229	0.220	0.254	10.52
28)	bis(2-Chloroet...	0.407	0.424	0.384	0.338	0.385	0.329	0.315	0.369	11.31
29) C	2,4-Dichloroph...	0.280	0.323	0.279	0.245	0.266	0.236	0.229	0.266	12.19
30)	1,2,4-Trichlor...	0.320	0.367	0.313	0.273	0.297	0.268	0.249	0.298	13.29
31)	Naphthalene	1.038	1.107	0.938	0.813	0.835	0.869	0.682	0.897	16.01
32)	Benzoic acid	0.162	0.219	0.217	0.201	0.233	0.212	0.210	0.208	10.88
33)	4-Chloroaniline	0.428	0.473	0.415	0.371	0.373	0.375	0.369	0.400	9.95
34) C	Hexachlorobuta...	0.192	0.204	0.189	0.165	0.164	0.161	0.144	0.174	12.24
35)	Caprolactam	0.086	0.103	0.091	0.082	0.088	0.097	0.090	0.091	7.83
36) C	4-Chloro-3-met...	0.283	0.321	0.280	0.263	0.261	0.279	0.234	0.274	9.66
37)	2-Methylnaphth...	0.663	0.746	0.631	0.545	0.564	0.571	0.462	0.597	15.33
38)	1-Methylnaphth...	0.630	0.673	0.590	0.515	0.531	0.500	0.392	0.547	17.02

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.588	0.704	0.576	0.488	0.492	0.437	0.418	0.529	18.92	
41) P	Hexachlorocycl...	0.276	0.368	0.333	0.290	0.299	0.279	0.271	0.302	11.84	
42) S	2,4,6-Tribromo...	0.218	0.253	0.218	0.196	0.193	0.184	0.183	0.206	12.08	
43) C	2,4,6-Trichlor...	0.397	0.445	0.404	0.351	0.353	0.332	0.344	0.375	10.90	
44)	2,4,5-Trichlor...	0.459	0.516	0.460	0.401	0.398	0.370	0.381	0.427	12.40	
45) S	2-Fluorobiphenyl	1.371	1.443	1.184	1.001	0.960			1.192	18.08	
46)	1,1'-Biphenyl	1.529	1.671	1.451	1.231	1.222	1.240	1.158	1.357	14.26	
47)	2-Chloronaphth...	1.241	1.352	1.179	1.035	0.999	1.049	0.979	1.119	12.57	
48)	2-Nitroaniline	0.361	0.392	0.365	0.319	0.319	0.349	0.334	0.348	7.68	
49)	Acenaphthylene	1.943	2.158	1.841	1.529	1.545	1.390	1.451	1.694	17.03	
50)	Dimethylphthalate	1.420	1.581	1.374	1.225	1.208	1.243	1.242	1.328	10.38	
51)	2,6-Dinitrotol...	0.302	0.356	0.314	0.285	0.279	0.262	0.270	0.295	10.85	
52) C	Acenaphthene	1.152	1.333	1.077	0.952	0.913	0.864	0.795	1.012	18.45	
53)	3-Nitroaniline	0.367	0.423	0.367	0.317	0.327	0.306	0.339	0.349	11.44	
54) P	2,4-Dinitrophenol	0.105	0.176	0.170	0.159	0.166	0.167	0.172	0.159	15.49	
55)	Dibenzofuran	1.767	1.945	1.643	1.426	1.377	1.347	1.205	1.530	17.19	
56) P	4-Nitrophenol	0.241	0.299	0.275	0.249	0.245	0.243	0.232	0.255	9.18	
57)	2,4-Dinitrotol...	0.395	0.469	0.415	0.378	0.363	0.350	0.326	0.385	12.24	
58)	Fluorene	1.337	1.478	1.258	1.082	1.008	0.964	0.921	1.150	18.32	
59)	2,3,4,6-Tetrac...	0.340	0.400	0.368	0.322	0.310	0.290	0.301	0.333	11.85	
60)	Diethylphthalate	1.398	1.567	1.348	1.183	1.173	1.103	1.185	1.280	12.85	
61)	4-Chlorophenyl...	0.699	0.770	0.647	0.556	0.526	0.495	0.461	0.593	19.23	
62)	4-Nitroaniline	0.348	0.411	0.369	0.332	0.329	0.316	0.361	0.352	9.00	
63)	Azobenzene	1.319	1.425	1.275	1.126	1.077	1.065	1.095	1.197	11.83	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.088	0.121	0.108	0.106	0.110	0.108	0.109	0.107	9.19	
66) c	n-Nitrosodiphe...	0.596	0.684	0.547	0.502	0.501	0.461	0.459	0.536	15.15	
67)	4-Bromophenyl-...	0.218	0.251	0.202	0.192	0.189	0.177	0.170	0.200	13.82	
68)	Hexachlorobenzene	0.237	0.273	0.217	0.203	0.201	0.193	0.178	0.215	14.75	
69)	Atrazine	0.181	0.187	0.158	0.136	0.136	0.112		0.152	19.04	
70) C	Pentachlorophenol	0.100	0.134	0.124	0.113	0.120	0.111	0.109	0.116	9.41	
71)	Phenanthrene	1.050	1.135	0.937	0.826	0.811	0.745	0.679	0.883	18.68	
72)	Anthracene	1.060	1.147	0.956	0.833	0.823	0.755	0.677	0.893	18.89	
73)	Carbazole	1.022	1.117	0.918	0.818	0.853	0.747	0.628	0.872	18.94	
74)	Di-n-butylphth...	1.222	1.299	1.071	0.914	0.881	0.831		1.036	18.59	
75) C	Fluoranthene	1.168	1.305	0.967	0.876	0.945	0.853		1.019	17.59	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.551	0.553	0.547	0.514	0.435	0.412	0.320	0.476	18.85	
78)	Pyrene	1.384	1.595	1.344	1.195	1.175	1.132	1.044	1.267	14.73	
79) S	Terphenyl-d14	1.015	1.115	0.871	0.771	0.719	0.694		0.864	19.66	
80)	Butylbenzylphth...	0.581	0.648	0.595	0.521	0.522	0.521	0.494	0.555	9.90	
81)	Benzo(a)anthra...	1.261	1.349	1.150	1.011	0.989	0.958	0.888	1.087	15.70	
82)	3,3'-Dichlorob...	0.460	0.507	0.432	0.376	0.363	0.338	0.308	0.398	17.83	
83)	Chrysene	1.240	1.365	1.197	1.030	1.005	0.985	0.898	1.103	15.13	
84)	Bis(2-ethylhex...	0.838	0.876	0.760	0.653	0.639	0.599	0.555	0.703	17.50	
85) c	Di-n-octyl pht...	1.457	1.651	1.398	1.208	1.085	1.125	0.985	1.273	18.62	

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-----ISTD-----												
86) I	Perylene-d12											
87)	Indeno(1,2,3-c...	1.258	1.416	1.316	1.044	1.009	0.973	0.864	1.126		18.15	
88)	Benzo(b)fluora...	1.095	1.250	1.126	0.934	0.974	0.952	0.977	1.044		11.17	
89)	Benzo(k)fluora...	1.121	1.215	0.991	0.894	0.786	0.847	0.773	0.947		17.93	
90) C	Benzo(a)pyrene	1.035	1.162	1.009	0.879	0.885	0.863	0.822	0.951		12.79	
91)	Dibenzo(a,h)an...	1.047	1.154	1.069	0.834	0.800	0.770	0.688	0.909		19.59	
92)	Benzo(g,h,i)pe...	1.013	1.138	0.938	0.863	0.812	0.775	0.689	0.890		17.15	

(#) = Out of Range