

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP083019.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 =BP000005.D 20 =BP000006.D 40 =BP000007.D 50 =BP000008.D 60 =BP000009.D 80 =BP000010.D 100 =BP000011.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.580	0.576	0.575	0.568	0.594	0.575	0.570	0.577	1.43
3)	Pyridine	1.518	1.521	1.575	1.526	1.627	1.561	1.552	1.554	2.50
4)	n-Nitrosodimet...	0.493	0.506	0.493	0.499	0.513	0.500	0.508	0.502	1.53
5) S	2-Fluorophenol	1.340	1.316	1.270	1.237	1.269	1.207	1.141	1.254	5.36
6)	Aniline	2.356	2.408	2.225	2.226	2.297	2.257	2.271	2.291	2.99
7) S	Phenol-d6	1.692	1.702	1.579	1.557	1.594	1.500	1.460	1.583	5.70
8)	2-Chlorophenol	1.399	1.401	1.304	1.266	1.311	1.223	1.174	1.297	6.54
9)	Benzaldehyde	1.161	1.090	0.881	0.878	0.871			0.976	14.19
10) C	Phenol	1.800	1.805	1.706	1.717	1.767	1.787	1.732	1.759	2.31
11)	bis(2-Chloroet...	1.464	1.479	1.380	1.358	1.405	1.335	1.306	1.390	4.64
12)	1,3-Dichlorobe...	1.680	1.631	1.532	1.478	1.509	1.418	1.341	1.513	7.74
13) C	1,4-Dichlorobe...	1.659	1.629	1.522	1.485	1.508	1.416	1.325	1.506	7.66
14)	1,2-Dichlorobe...	1.561	1.541	1.414	1.362	1.371	1.270	1.169	1.384	10.07
15)	Benzyl Alcohol	1.186	1.204	1.152	1.148	1.182	1.139	1.116	1.161	2.66
16)	2,2'-oxybis(1-...	1.682	1.617	1.478	1.451	1.485	1.395	1.353	1.494	7.85
17)	2-Methylphenol	1.185	1.185	1.091	1.084	1.131	1.065	1.056	1.114	4.86
18)	Hexachloroethane	0.597	0.598	0.554	0.548	0.564	0.531	0.519	0.559	5.43
19) P	n-Nitroso-di-n...	1.013	1.001	0.881	0.865	0.880	0.837	0.830	0.901	8.34
20)	3+4-Methylphenols	1.569	1.564	1.396	1.379	1.386	1.276	1.154	1.389	10.65
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.555	0.524	0.493	0.468	0.473	0.434	0.408	0.479	10.50
23) S	Nitrobenzene-d5	0.332	0.336	0.333	0.324	0.330	0.317	0.309	0.326	2.93
24)	Nitrobenzene	0.367	0.365	0.356	0.352	0.360	0.342	0.330	0.353	3.79
25)	Isophorone	0.746	0.720	0.684	0.664	0.680	0.658	0.669	0.689	4.71
26) C	2-Nitrophenol	0.106	0.125	0.133	0.142	0.152	0.150	0.156	0.138	13.00
27)	2,4-Dimethylph...	0.301	0.285	0.278	0.274	0.282	0.263	0.260	0.277	4.99
28)	bis(2-Chloroet...	0.495	0.476	0.454	0.434	0.448	0.419	0.408	0.448	6.85
29) C	2,4-Dichloroph...	0.303	0.298	0.288	0.280	0.287	0.274	0.268	0.285	4.36
30)	1,2,4-Trichlor...	0.364	0.341	0.333	0.319	0.322	0.303	0.295	0.325	7.25
31)	Naphthalene	1.101	1.051	0.972	0.876	0.882	0.812	0.730	0.918	14.32
32)	Benzoic acid	0.113	0.137	0.165	0.177	0.191	0.198	0.212	0.170	20.59
33)	4-Chloroaniline	0.474	0.460	0.429	0.416	0.424	0.406	0.419	0.433	5.76
34) C	Hexachlorobuta...	0.204	0.190	0.185	0.181	0.182	0.174	0.169	0.183	6.23
35)	Caprolactam	0.097	0.101	0.100	0.101	0.104	0.102	0.104	0.101	2.39
36) C	4-Chloro-3-met...	0.325	0.322	0.314	0.306	0.315	0.300	0.298	0.311	3.37
37)	2-Methylnaphth...	0.751	0.710	0.661	0.622	0.627	0.581	0.538	0.641	11.38
38)	1-Methylnaphth...	0.713	0.673	0.623	0.583	0.590	0.542	0.505	0.604	11.95

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.623	0.589	0.579	0.550	0.566	0.536	0.519	0.566	6.18	
41) P	Hexachlorocycl...	0.298	0.304	0.317	0.309	0.324	0.314	0.316	0.312	2.78	
42) S	2,4,6-Tribromo...	0.164	0.167	0.168	0.168	0.175	0.170	0.167	0.169	1.96	
43) C	2,4,6-Trichlor...	0.382	0.390	0.397	0.388	0.406	0.389	0.381	0.390	2.21	
44)	2,4,5-Trichlor...	0.405	0.410	0.414	0.403	0.421	0.406	0.401	0.408	1.74	
45) S	2-Fluorobiphenyl	1.442	1.290	1.185	1.027	1.044			1.198	14.52	
46)	1,1'-Biphenyl	1.659	1.557	1.492	1.350	1.380	1.279	1.167	1.412	11.97	
47)	2-Chloronaphth...	1.317	1.246	1.213	1.136	1.167	1.096	1.028	1.172	8.25	
48)	2-Nitroaniline	0.253	0.294	0.324	0.324	0.341	0.341	0.339	0.317	10.29	
49)	Acenaphthylene	2.006	1.945	1.829	1.686	1.706	1.559	1.442	1.739	11.65	
50)	Dimethylphthalate	1.536	1.468	1.408	1.328	1.362	1.259	1.180	1.363	8.90	
51)	2,6-Dinitrotol...	0.261	0.287	0.299	0.291	0.302	0.295	0.289	0.289	4.64	
52) C	Acenaphthene	1.240	1.180	1.123	1.053	1.081	1.016	0.944	1.091	9.16	
53)	3-Nitroaniline	0.310	0.338	0.356	0.344	0.367	0.355	0.349	0.346	5.25	
54) P	2,4-Dinitrophenol	0.062	0.074	0.086	0.093	0.103	0.106	0.116	0.091	20.64	
55)	Dibenzofuran	1.815	1.728	1.632	1.477	1.520	1.388	1.287	1.550	12.09	
56) P	4-Nitrophenol	0.202	0.234	0.249	0.249	0.269	0.262	0.264	0.247	9.29	
57)	2,4-Dinitrotol...	0.306	0.362	0.377	0.378	0.395	0.387	0.379	0.369	8.01	
58)	Fluorene	1.435	1.308	1.209	1.106	1.120	1.032	0.954	1.166	14.14	
59)	2,3,4,6-Tetrac...	0.318	0.321	0.313	0.305	0.317	0.300	0.291	0.309	3.64	
60)	Diethylphthalate	1.513	1.456	1.411	1.315	1.364	1.285	1.205	1.364	7.73	
61)	4-Chlorophenyl...	0.709	0.655	0.627	0.580	0.592	0.558	0.522	0.606	10.36	
62)	4-Nitroaniline	0.304	0.322	0.327	0.327	0.350	0.338	0.339	0.330	4.45	
63)	Azobenzene	1.493	1.427	1.352	1.275	1.291	1.208	1.099	1.306	10.14	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.048	0.060	0.068	0.074	0.079	0.081	0.088	0.071	19.21	
66) c	n-Nitrosodiphe...	0.696	0.654	0.618	0.570	0.584	0.537	0.501	0.594	11.35	
67)	4-Bromophenyl-...	0.221	0.217	0.207	0.199	0.201	0.193	0.185	0.203	6.26	
68)	Hexachlorobenzene	0.244	0.232	0.225	0.214	0.219	0.210	0.205	0.221	6.11	
69)	Atrazine	0.206	0.197	0.154	0.158	0.150			0.173	15.22	
70) C	Pentachlorophenol	0.109	0.122	0.123	0.123	0.128	0.120	0.116	0.120	5.14	
71)	Phenanthrene	1.190	1.126	1.052	0.941	0.973	0.877	0.819	0.997	13.37	
72)	Anthracene	1.182	1.129	1.031	0.938	0.960	0.861	0.792	0.985	14.19	
73)	Carbazole	1.090	1.047	0.979	0.896	0.907	0.826	0.762	0.929	12.60	
74)	Di-n-butylphth...	1.320	1.309	1.197	1.078	1.100	1.006	0.878	1.127	14.26	
75) C	Fluoranthene	1.251	1.227	1.148	1.050	1.067	0.960	0.881	1.083	12.53	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.838	0.742	0.646	0.607	0.617			0.690	14.28	
78)	Pyrene	1.637	1.624	1.505	1.427	1.433	1.368	1.305	1.471	8.50	
79) S	Terphenyl-d14	1.094	1.040	0.943	0.876	0.869	0.816	0.784	0.918	12.51	
80)	Butylbenzylphth...	0.578	0.653	0.683	0.660	0.677	0.667	0.670	0.656	5.45	
81)	Benzo(a)anthra...	1.432	1.423	1.329	1.252	1.274	1.213	1.149	1.296	8.14	
82)	3,3'-Dichlorob...	0.476	0.508	0.497	0.478	0.501	0.454	0.433	0.478	5.66	
83)	Chrysene	1.361	1.344	1.269	1.162	1.233	1.128	1.084	1.226	8.68	
84)	Bis(2-ethylhex...	0.908	0.939	0.889	0.834	0.861	0.792	0.750	0.853	7.78	
85) c	Di-n-octyl pht...	1.412	1.603	1.623	1.501	1.562	1.475	1.347	1.503	6.73	
86)	Indeno(1,2,3-c...	1.381	1.494	1.498	1.506	1.623	1.608	1.642	1.536	6.07	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.231	1.229	1.222	1.264	1.275	1.156	1.174	1.222	3.55
89)	Benzo(k)fluora...	1.239	1.224	1.159	1.050	1.069	1.069	1.016	1.118	7.94
90) C	Benzo(a)pyrene	1.125	1.137	1.109	1.092	1.119	1.071	1.066	1.103	2.48
91)	Dibenzo(a,h)an...	1.078	1.115	1.101	1.098	1.140	1.096	1.091	1.103	1.80
92)	Benzo(g,h,i)pe...	1.041	1.084	1.068	1.084	1.122	1.117	1.125	1.092	2.88

(#) = Out of Range