

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP091520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 16 12:11:41 2020
 Response Via : Initial Calibration

Calibration Files

5 =BP003287.D 10 =BP003288.D 20 =BP003289.D 40 =BP003290.D 50 =BP003291.D 60 =BP003292.D 80 =BP003293.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.545	0.540	0.457	0.441	0.443	0.443	0.427	0.471	10.59
3)	Pyridine	1.324	1.395	1.246	1.204	1.208	1.199	1.197	1.253	6.16
4)	n-Nitrosodimet...	0.376	0.426	0.369	0.363	0.365	0.364	0.362	0.375	6.15
5) S	2-Fluorophenol	1.204	1.321	1.155	1.097	1.094	1.090	1.057	1.145	7.98
6)	Aniline	1.808	1.969	1.776	1.686	1.697	1.677	1.660	1.753	6.25
7) S	Phenol-d6	1.573	1.755	1.555	1.484	1.469	1.440	1.411	1.527	7.61
8)	2-Chlorophenol	1.339	1.471	1.295	1.218	1.218	1.201	1.188	1.276	7.99
9)	Benzaldehyde	0.931	1.021	0.881	0.803	0.750	0.721		0.851	13.46
10) C	Phenol	1.520	1.658	1.467	1.413	1.408	1.377	1.364	1.458	7.08
11)	bis(2-Chloroet...	1.269	1.307	1.153	1.115	1.085	1.083	1.077	1.156	8.20
12)	1,3-Dichlorobe...	1.600	1.776	1.542	1.469	1.448	1.431	1.409	1.525	8.49
13) C	1,4-Dichlorobe...	1.677	1.765	1.568	1.472	1.463	1.436	1.420	1.543	8.61
14)	1,2-Dichlorobe...	1.617	1.733	1.500	1.407	1.390	1.373	1.346	1.481	9.78
15)	Benzyl Alcohol	0.933	1.117	1.012	1.012	1.021	1.001	1.006	1.015	5.32
16)	2,2'-oxybis(1-...	0.913	0.971	0.851	0.801	0.798	0.783	0.766	0.840	9.04
17)	2-Methylphenol	1.116	1.199	1.056	1.017	1.014	0.993	0.986	1.054	7.37
18)	Hexachloroethane	0.633	0.656	0.574	0.550	0.544	0.535	0.533	0.575	8.66
19) P	n-Nitroso-di-n...	0.890	0.955	0.857	0.795	0.761	0.737	0.731	0.818	10.38
20)	3+4-Methylphenols	1.398	1.596	1.434	1.381	1.365	1.324	1.326	1.403	6.65
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.510	0.545	0.500	0.474	0.474	0.465	0.471	0.491	5.91
23) S	Nitrobenzene-d5	0.349	0.377	0.343	0.325	0.331	0.326	0.332	0.340	5.39
24)	Nitrobenzene	0.347	0.374	0.341	0.324	0.335	0.327	0.338	0.341	4.83
25)	Isophorone	0.642	0.687	0.630	0.599	0.606	0.594	0.610	0.624	5.23
26) C	2-Nitrophenol	0.173	0.194	0.185	0.179	0.189	0.187	0.194	0.186	4.13
27)	2,4-Dimethylph...	0.262	0.289	0.263	0.251	0.259	0.256	0.263	0.263	4.60
28)	bis(2-Chloroet...	0.430	0.465	0.423	0.393	0.402	0.391	0.401	0.415	6.38
29) C	2,4-Dichloroph...	0.328	0.350	0.330	0.314	0.324	0.323	0.333	0.329	3.35
30)	1,2,4-Trichlor...	0.410	0.431	0.392	0.369	0.375	0.372	0.382	0.390	5.83
31)	Naphthalene	1.127	1.176	1.068	0.999	1.010	0.994	1.023	1.056	6.70
32)	Benzoic acid		0.085	0.113	0.159	0.190	0.200	0.210	0.159	31.65
33)	4-Chloroaniline	0.436	0.491	0.456	0.432	0.442	0.436	0.449	0.449	4.51
34) C	Hexachlorobuta...	0.282	0.295	0.269	0.252	0.254	0.252	0.261	0.266	6.31
35)	Caprolactam	0.106	0.116	0.108	0.106	0.109	0.109	0.114	0.110	3.34
36) C	4-Chloro-3-met...	0.359	0.391	0.357	0.340	0.345	0.339	0.350	0.354	5.09
37)	2-Methylnaphth...	0.822	0.859	0.776	0.718	0.729	0.719	0.734	0.765	7.27
38)	1-Methylnaphth...	0.782	0.820	0.736	0.680	0.692	0.681	0.696	0.727	7.61

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.681	0.716	0.657	0.622	0.635	0.629	0.642	0.655	5.12
41) P	Hexachlorocycl...	0.067	0.108	0.159	0.189	0.210	0.234	0.161		39.47
42) S	2,4,6-Tribromo...	0.292	0.333	0.308	0.298	0.297	0.299	0.308	0.305	4.42
43) C	2,4,6-Trichlor...	0.414	0.448	0.416	0.406	0.423	0.425	0.432	0.423	3.22
44)	2,4,5-Trichlor...	0.400	0.474	0.438	0.422	0.434	0.436	0.444	0.436	5.11
45) S	2-Fluorobiphenyl	1.509	1.566	1.389	1.273	1.285	1.274	1.277	1.367	9.07
46)	1,1'-Biphenyl	1.604	1.679	1.497	1.406	1.427	1.410	1.418	1.492	7.31
47)	2-Chloronaphth...	1.314	1.386	1.247	1.170	1.175	1.175	1.180	1.235	6.92
48)	2-Nitroaniline	0.293	0.333	0.317	0.307	0.311	0.312	0.316	0.313	3.88
49)	Acenaphthylene	1.979	2.128	1.920	1.790	1.809	1.787	1.798	1.887	6.88
50)	Dimethylphthalate	1.706	1.809	1.617	1.501	1.515	1.500	1.532	1.597	7.54
51)	2,6-Dinitrotol...	0.348	0.369	0.342	0.327	0.337	0.332	0.341	0.342	4.02
52) C	Acenaphthene	1.237	1.302	1.171	1.081	1.088	1.075	1.085	1.149	7.92
53)	3-Nitroaniline	0.340	0.396	0.375	0.361	0.374	0.374	0.378	0.371	4.64
54) P	2,4-Dinitrophenol	0.083	0.103	0.134	0.154	0.161		0.127		26.23
55)	Dibenzofuran	1.992	2.089	1.869	1.715	1.747	1.707	1.714	1.833	8.44
56) P	4-Nitrophenol	0.175	0.204	0.227	0.243	0.250	0.261	0.227		14.28
57)	2,4-Dinitrotol...	0.438	0.516	0.483	0.466	0.473	0.469	0.479	0.475	4.84
58)	Fluorene	1.598	1.695	1.482	1.346	1.349	1.323	1.342	1.448	10.25
59)	2,3,4,6-Tetrac...	0.390	0.432	0.406	0.393	0.412	0.406	0.426	0.409	3.79
60)	Diethylphthalate	1.753	1.859	1.660	1.533	1.543	1.520	1.535	1.629	8.19
61)	4-Chlorophenyl...	0.883	0.914	0.806	0.728	0.735	0.725	0.742	0.790	10.00
62)	4-Nitroaniline	0.351	0.416	0.401	0.392	0.398	0.396	0.400	0.394	5.12
63)	Azobenzene	1.316	1.420	1.282	1.179	1.182	1.159	1.155	1.242	8.10
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.084	0.096	0.105	0.113	0.115	0.121	0.106		13.03
66) c	n-Nitrosodiphe...	0.627	0.672	0.598	0.552	0.564	0.551	0.549	0.587	8.07
67)	4-Bromophenyl-...	0.255	0.267	0.245	0.228	0.233	0.231	0.233	0.242	6.00
68)	Hexachlorobenzene	0.304	0.320	0.290	0.269	0.276	0.275	0.277	0.287	6.55
69)	Atrazine	0.239	0.259	0.234	0.219	0.223	0.220	0.218	0.230	6.59
70) C	Pentachlorophenol	0.073	0.089	0.102	0.113	0.120	0.126	0.104		19.32
71)	Phenanthrene	1.186	1.240	1.111	1.024	1.034	1.011	1.011	1.088	8.58
72)	Anthracene	1.147	1.206	1.097	1.019	1.030	1.006	1.002	1.072	7.42
73)	Carbazole	1.089	1.134	1.040	0.968	0.981	0.961	0.958	1.019	6.90
74)	Di-n-butylphth...	1.438	1.482	1.335	1.224	1.238	1.201	1.197	1.302	9.05
75) C	Fluoranthene	1.487	1.542	1.397	1.295	1.315	1.281	1.261	1.368	8.03
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.517	0.645	0.624	0.616	0.665	0.683	0.592	0.620	8.88
78)	Pyrene	1.291	1.362	1.264	1.183	1.215	1.203	1.214	1.247	5.03
79) S	Terphenyl-d14	1.028	1.095	0.991	0.887	0.909	0.896	0.914	0.960	8.29
80)	Butylbenzylpht...	0.584	0.616	0.579	0.542	0.557	0.556	0.561	0.571	4.35
81)	Benzo(a)anthra...	1.362	1.428	1.305	1.220	1.248	1.240	1.246	1.293	5.95
82)	3,3'-Dichlorob...	0.507	0.554	0.520	0.477	0.484	0.480	0.476	0.500	5.88
83)	Chrysene	1.327	1.387	1.284	1.160	1.189	1.172	1.177	1.242	7.24
84)	Bis(2-ethylhex...	0.893	0.908	0.842	0.739	0.756	0.735	0.751	0.803	9.43
85) c	Di-n-octyl pht...	1.540	1.613	1.502	1.393	1.426	1.404	1.398	1.468	5.82

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.603	1.678	1.528	1.438	1.468	1.444	1.453	1.516	6.11	
88)	Benzo(b)fluora...	1.316	1.394	1.292	1.198	1.209	1.193	1.238	1.263	5.92	
89)	Benzo(k)fluora...	1.291	1.335	1.214	1.157	1.197	1.159	1.119	1.210	6.41	
90) C	Benzo(a)pyrene	1.248	1.306	1.192	1.128	1.166	1.144	1.153	1.191	5.41	
91)	Dibenzo(a,h)an...	1.346	1.384	1.266	1.187	1.210	1.183	1.180	1.251	6.71	
92)	Benzo(g,h,i)pe...	1.307	1.348	1.241	1.177	1.222	1.217	1.231	1.249	4.68	

(#) = Out of Range