

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP010320.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 =BP001502.D 20 =BP001503.D 40 =BP001530.D 50 =BP001505.D 60 =BP001506.D 80 =BP001507.D 100 =BP001508.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.575	0.547	0.499	0.535	0.464	0.451	0.432	0.500	10.76
3)	Pyridine	1.684	1.648	1.499	1.621	1.420	1.415	1.362	1.521	8.48
4)	n-Nitrosodimet...	0.687	0.672	0.630	0.681	0.613	0.615	0.605	0.643	5.50
5) S	2-Fluorophenol	1.378	1.310	1.171	1.263	1.110	1.079	1.023	1.190	10.97
6)	Aniline	2.322	2.236	2.053	2.187	1.933	1.917	1.809	2.065	9.17
7) S	Phenol-d6	1.835	1.767	1.589	1.700	1.492	1.466	1.376	1.603	10.58
8)	2-Chlorophenol	1.390	1.347	1.212	1.310	1.157	1.148	1.074	1.234	9.50
9)	Benzaldehyde	1.214	1.100	0.841	0.842	0.705	0.617		0.887	25.85
10) C	Phenol	1.934	1.815	1.662	1.794	1.584	1.554	1.464	1.687	9.91
11)	bis(2-Chloroet...	1.516	1.427	1.301	1.412	1.237	1.230	1.174	1.328	9.44
12)	1,3-Dichlorobe...	1.744	1.619	1.502	1.611	1.410	1.380	1.315	1.512	10.18
13) C	1,4-Dichlorobe...	1.711	1.659	1.493	1.622	1.428	1.393	1.327	1.519	9.65
14)	1,2-Dichlorobe...	1.726	1.575	1.431	1.541	1.341	1.322	1.255	1.456	11.44
15)	Benzyl Alcohol	1.417	1.366	1.264	1.369	1.209	1.226	1.170	1.289	7.37
16)	2,2'-oxybis(1-...	2.159	2.027	1.828	1.954	1.706	1.713	1.623	1.859	10.51
17)	2-Methylphenol	1.234	1.191	1.101	1.170	1.030	1.028	0.962	1.102	9.09
18)	Hexachloroethane	0.626	0.621	0.564	0.615	0.550	0.546	0.520	0.577	7.37
19) P	n-Nitroso-di-n...	1.183	1.142	1.040	1.098	0.966	0.973	0.912	1.045	9.61
20)	3+4-Methylphenols	1.649	1.624	1.466	1.591	1.381	1.384	1.299	1.485	9.27
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.604	0.587	0.545	0.603	0.539	0.540	0.520	0.563	6.14
23) S	Nitrobenzene-d5	0.383	0.402	0.392	0.442	0.400	0.410	0.406	0.405	4.62
24)	Nitrobenzene	0.409	0.415	0.404	0.455	0.408	0.419	0.409	0.417	4.21
25)	Isophorone	0.832	0.792	0.739	0.832	0.731	0.751	0.735	0.773	5.86
26) C	2-Nitrophenol	0.123	0.137	0.142	0.164	0.152	0.163	0.162	0.149	10.35
27)	2,4-Dimethylph...	0.284	0.276	0.261	0.290	0.257	0.262	0.256	0.270	5.10
28)	bis(2-Chloroet...	0.524	0.508	0.466	0.521	0.457	0.468	0.451	0.485	6.46
29) C	2,4-Dichloroph...	0.337	0.339	0.318	0.359	0.319	0.322	0.316	0.330	4.76
30)	1,2,4-Trichlor...	0.419	0.408	0.377	0.423	0.376	0.380	0.370	0.393	5.74
31)	Naphthalene	1.156	1.100	1.014	1.126	0.995	1.005	0.969	1.052	6.97
32)	Benzoic acid	0.105	0.136	0.168	0.192	0.183	0.199	0.211	0.171	22.15
33)	4-Chloroaniline	0.474	0.481	0.448	0.491	0.441	0.443	0.426	0.458	5.28
34) C	Hexachlorobuta...	0.272	0.265	0.248	0.279	0.252	0.254	0.251	0.260	4.52
35)	Caprolactam	0.114	0.113	0.107	0.119	0.105	0.107	0.105	0.110	4.89
36) C	4-Chloro-3-met...	0.381	0.367	0.347	0.390	0.344	0.359	0.346	0.362	5.03
37)	2-Methylnaphth...	0.816	0.795	0.720	0.805	0.705	0.716	0.692	0.750	7.07
38)	1-Methylnaphth...	0.768	0.747	0.686	0.759	0.671	0.682	0.652	0.709	6.67

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.724	0.694	0.655	0.713	0.641	0.633	0.614	0.668	6.42	
41) P	Hexachlorocycl...	0.335	0.345	0.339	0.369	0.342	0.341	0.341	0.345	3.28	
42) S	2,4,6-Tribromo...	0.234	0.230	0.217	0.244	0.223	0.224	0.214	0.226	4.55	
43) C	2,4,6-Trichlor...	0.436	0.430	0.408	0.447	0.409	0.402	0.394	0.418	4.71	
44)	2,4,5-Trichlor...	0.454	0.447	0.424	0.473	0.420	0.417	0.408	0.435	5.44	
45) S	2-Fluorobiphenyl	1.549	1.472	1.334	1.442	1.285	1.239	1.201	1.360	9.56	
46)	1,1'-Biphenyl	1.677	1.589	1.479	1.614	1.450	1.413	1.359	1.512	7.72	
47)	2-Chloronaphth...	1.384	1.307	1.200	1.317	1.193	1.161	1.129	1.241	7.61	
48)	2-Nitroaniline	0.293	0.331	0.354	0.405	0.379	0.389	0.387	0.363	10.82	
49)	Acenaphthylene	2.083	1.985	1.839	2.008	1.789	1.764	1.713	1.883	7.51	
50)	Dimethylphthalate	1.753	1.648	1.511	1.664	1.485	1.467	1.416	1.563	7.96	
51)	2,6-Dinitrotol...	0.283	0.299	0.301	0.340	0.314	0.311	0.305	0.307	5.72	
52) C	Acenaphthene	1.308	1.244	1.174	1.282	1.147	1.080	1.036	1.182	8.64	
53)	3-Nitroaniline	0.332	0.345	0.341	0.381	0.345	0.345	0.338	0.347	4.54	
54) P	2,4-Dinitrophenol	0.087	0.093	0.103	0.124	0.119	0.129	0.131	0.112	15.85	
55)	Dibenzofuran	2.012	1.928	1.763	1.918	1.732	1.690	1.628	1.810	7.87	
56) P	4-Nitrophenol	0.243	0.250	0.251	0.287	0.258	0.264	0.263	0.259	5.55	
57)	2,4-Dinitrotol...	0.351	0.396	0.405	0.463	0.427	0.435	0.425	0.415	8.55	
58)	Fluorene	1.625	1.498	1.342	1.455	1.288	1.243	1.202	1.379	11.08	
59)	2,3,4,6-Tetrac...	0.389	0.392	0.364	0.407	0.371	0.374	0.358	0.379	4.61	
60)	Diethylphthalate	1.757	1.646	1.516	1.667	1.489	1.497	1.445	1.574	7.36	
61)	4-Chlorophenyl...	0.874	0.807	0.729	0.780	0.694	0.673	0.648	0.744	10.86	
62)	4-Nitroaniline	0.341	0.359	0.340	0.380	0.343	0.340	0.334	0.348	4.56	
63)	Azobenzene	1.684	1.591	1.463	1.623	1.457	1.433	1.390	1.520	7.31	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.055	0.062	0.068	0.080	0.075	0.082	0.083	0.072	15.11	
66) c	n-Nitrosodipe...	0.640	0.617	0.563	0.619	0.546	0.544	0.529	0.580	7.67	
67)	4-Bromophenyl-...	0.237	0.232	0.217	0.236	0.210	0.212	0.206	0.222	5.91	
68)	Hexachlorobenzene	0.269	0.259	0.245	0.264	0.234	0.239	0.234	0.249	5.87	
69)	Atrazine	0.241	0.231	0.201	0.213	0.183	0.163	0.205		14.21	
70) C	Pentachlorophenol	0.125	0.125	0.124	0.140	0.127	0.130	0.127	0.128	4.54	
71)	Phenanthrene	1.212	1.155	1.055	1.160	1.013	1.012	0.985	1.085	8.26	
72)	Anthracene	1.186	1.146	1.052	1.148	1.010	1.007	0.977	1.075	7.76	
73)	Carbazole	1.115	1.065	0.963	1.063	0.934	0.932	0.892	0.995	8.55	
74)	Di-n-butylphth...	1.396	1.347	1.240	1.337	1.186	1.194	1.138	1.263	7.71	
75) C	Fluoranthene	1.476	1.381	1.280	1.416	1.230	1.225	1.183	1.313	8.48	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.555	0.501	0.574	0.436	0.364	0.407	0.364	0.457	19.04	
78)	Pyrene	1.561	1.524	1.427	1.512	1.380	1.394	1.362	1.451	5.47	
79) S	Terphenyl-d14	1.136	1.082	0.988	1.041	0.938	0.932	0.908	1.004	8.52	
80)	Butylbenzylphth...	0.642	0.636	0.612	0.666	0.598	0.620	0.598	0.624	4.03	
81)	Benzo(a)anthra...	1.526	1.485	1.364	1.494	1.339	1.324	1.291	1.403	6.80	
82)	3,3'-Dichlorob...	0.553	0.546	0.505	0.534	0.465	0.460	0.424	0.498	9.92	
83)	Chrysene	1.473	1.432	1.320	1.420	1.281	1.261	1.232	1.346	7.06	
84)	Bis(2-ethylhex...	0.989	0.959	0.899	0.964	0.877	0.873	0.845	0.915	6.01	
85) c	Di-n-octyl pht...	1.663	1.644	1.561	1.709	1.536	1.541	1.485	1.591	5.12	
86)	Indeno(1,2,3-c...	1.686	1.688	1.567	1.791	1.604	1.569	1.559	1.638	5.31	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.394	1.308	1.187	1.293	1.166	1.210	1.111	1.238	7.88
89)	Benzo(k)fluora...	1.300	1.257	1.170	1.283	1.117	1.078	1.100	1.186	7.80
90) C	Benzo(a)pyrene	1.257	1.221	1.131	1.232	1.091	1.105	1.077	1.159	6.48
91)	Dibenzo(a,h)an...	1.261	1.232	1.114	1.234	1.094	1.077	1.052	1.152	7.57
92)	Benzo(g,h,i)pe...	1.223	1.195	1.098	1.243	1.097	1.099	1.089	1.149	5.93

(#) = Out of Range