

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP110619.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 =BP000985.D 20 =BP000986.D 40 =BP000987.D 50 =BP000988.D 60 =BP000989.D 80 =BP000990.D 100 =BP000991.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.530	0.499	0.464	0.479	0.466	0.463	0.444	0.478	5.99
3)	Pyridine	1.241	1.329	1.254	1.258	1.296	1.255	1.208	1.263	3.09
4)	n-Nitrosodimet...	0.451	0.449	0.425	0.455	0.438	0.431	0.432	0.440	2.64
5) S	2-Fluorophenol	1.229	1.180	1.075	1.121	1.073	1.020	0.994	1.099	7.64
6)	Aniline	2.102	1.990	1.781	1.846	1.748	1.619	1.616	1.815	10.01
7) S	Phenol-d6	1.602	1.510	1.361	1.419	1.352	1.244	1.240	1.389	9.57
8)	2-Chlorophenol	1.334	1.277	1.139	1.188	1.132	1.043	1.044	1.165	9.46
9)	Benzaldehyde	1.123	1.076	0.959	0.989	0.943	0.854	0.842	0.969	10.79
10) C	Phenol	1.736	1.622	1.456	1.543	1.522	1.386	1.374	1.520	8.55
11)	bis(2-Chloroet...	1.387	1.298	1.140	1.201	1.144	1.054	1.058	1.183	10.40
12)	1,3-Dichlorobe...	1.713	1.594	1.419	1.475	1.407	1.326	1.300	1.462	10.07
13) C	1,4-Dichlorobe...	1.711	1.619	1.430	1.495	1.420	1.322	1.311	1.472	10.08
14)	1,2-Dichlorobe...	1.620	1.522	1.335	1.375	1.311	1.191	1.178	1.362	11.95
15)	Benzyl Alcohol	1.202	1.164	1.038	1.099	1.036	0.928	0.945	1.059	9.74
16)	2,2'-oxybis(1-...	1.429	1.367	1.194	1.265	1.202	1.085	1.108	1.236	10.30
17)	2-Methylphenol	1.125	1.074	0.957	1.011	0.966	0.883	0.908	0.989	8.81
18)	Hexachloroethane	0.597	0.579	0.528	0.550	0.532	0.504	0.495	0.541	6.90
19) P	n-Nitroso-di-n...	0.981	0.937	0.806	0.848	0.809	0.707	0.752	0.834	11.65
20)	3+4-Methylphenols	1.471	1.376	1.205	1.254	1.180	1.042	1.062	1.227	12.72
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.570	0.546	0.502	0.517	0.505	0.485	0.491	0.517	6.02
23) S	Nitrobenzene-d5	0.356	0.367	0.352	0.370	0.367	0.358	0.362	0.362	1.84
24)	Nitrobenzene	0.370	0.373	0.355	0.369	0.366	0.352	0.356	0.363	2.33
25)	Isophorone	0.720	0.691	0.639	0.671	0.660	0.621	0.656	0.665	4.94
26) C	2-Nitrophenol	0.100	0.118	0.130	0.144	0.149	0.149	0.157	0.136	14.99
27)	2,4-Dimethylph...	0.273	0.267	0.244	0.254	0.251	0.241	0.246	0.254	4.75
28)	bis(2-Chloroet...	0.483	0.466	0.419	0.437	0.426	0.402	0.413	0.435	6.79
29) C	2,4-Dichloroph...	0.318	0.317	0.300	0.311	0.306	0.294	0.299	0.306	3.04
30)	1,2,4-Trichlor...	0.419	0.401	0.365	0.375	0.369	0.353	0.353	0.376	6.57
31)	Naphthalene	1.130	1.075	0.976	0.997	0.976	0.922	0.918	0.999	7.81
32)	Benzoic acid	0.068	0.107	0.129	0.157	0.167	0.168	0.166	0.137	28.00
33)	4-Chloroaniline	0.472	0.457	0.419	0.431	0.422	0.393	0.405	0.428	6.46
34) C	Hexachlorobuta...	0.271	0.261	0.240	0.251	0.245	0.236	0.237	0.249	5.32
35)	Caprolactam	0.095	0.099	0.094	0.099	0.098	0.091	0.100	0.097	3.35
36) C	4-Chloro-3-met...	0.328	0.331	0.308	0.322	0.320	0.301	0.316	0.318	3.32
37)	2-Methylnaphth...	0.782	0.759	0.680	0.703	0.681	0.641	0.649	0.699	7.62
38)	1-Methylnaphth...	0.755	0.716	0.641	0.662	0.647	0.596	0.609	0.661	8.57

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.762	0.716	0.651	0.664	0.651	0.618	0.600	0.666	8.40	
41) P	Hexachlorocycl...	0.321	0.335	0.323	0.344	0.339	0.339	0.334	0.334	2.65	
42) S	2,4,6-Tribromo...	0.234	0.240	0.232	0.249	0.244	0.232	0.240	0.239	2.68	
43) C	2,4,6-Trichlor...	0.383	0.397	0.391	0.420	0.410	0.401	0.409	0.402	3.13	
44)	2,4,5-Trichlor...	0.423	0.440	0.419	0.438	0.440	0.420	0.426	0.429	2.26	
45) S	2-Fluorobiphenyl	1.617	1.488	1.307	1.313	1.260	1.180	1.130	1.328	12.88	
46)	1,1'-Biphenyl	1.724	1.627	1.471	1.501	1.447	1.372	1.326	1.495	9.32	
47)	2-Chloronaphth...	1.380	1.303	1.183	1.199	1.169	1.110	1.082	1.204	8.72	
48)	2-Nitroaniline	0.274	0.304	0.309	0.329	0.331	0.323	0.335	0.315	6.79	
49)	Acenaphthylene	2.051	1.969	1.801	1.848	1.787	1.696	1.658	1.830	7.69	
50)	Dimethylphthalate	1.659	1.575	1.433	1.492	1.452	1.359	1.381	1.479	7.24	
51)	2,6-Dinitrotol...	0.287	0.311	0.301	0.320	0.319	0.305	0.317	0.308	3.85	
52) C	Acenaphthene	1.231	1.171	1.072	1.100	1.071	1.010	1.007	1.095	7.47	
53)	3-Nitroaniline	0.327	0.339	0.326	0.348	0.347	0.328	0.340	0.336	2.80	
54) P	2,4-Dinitrophenol	0.045	0.061	0.074	0.087	0.093	0.097	0.076		26.69	
55)	Dibenzofuran	1.992	1.875	1.676	1.712	1.648	1.544	1.520	1.710	9.99	
56) P	4-Nitrophenol	0.194	0.216	0.227	0.247	0.251	0.246	0.257	0.234	9.69	
57)	2,4-Dinitrotol...	0.341	0.386	0.380	0.414	0.407	0.389	0.395	0.387	6.05	
58)	Fluorene	1.565	1.482	1.334	1.369	1.323	1.227	1.225	1.361	9.24	
59)	2,3,4,6-Tetrac...	0.339	0.350	0.362	0.373	0.391	0.366	0.375	0.365	4.69	
60)	Diethylphthalate	1.612	1.551	1.405	1.504	1.477	1.393	1.456	1.485	5.26	
61)	4-Chlorophenyl...	0.854	0.785	0.697	0.718	0.693	0.639	0.650	0.719	10.59	
62)	4-Nitroaniline	0.312	0.348	0.356	0.382	0.381	0.367	0.380	0.361	7.01	
63)	Azobenzene	1.442	1.383	1.252	1.312	1.279	1.207	1.227	1.300	6.58	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.033	0.043	0.052	0.061	0.063	0.067	0.075	0.056	25.97	
66) c	n-Nitrosodiphe...	0.652	0.629	0.559	0.582	0.560	0.523	0.521	0.575	8.71	
67)	4-Bromophenyl-...	0.258	0.255	0.229	0.239	0.230	0.218	0.220	0.235	6.76	
68)	Hexachlorobenzene	0.309	0.291	0.263	0.277	0.267	0.253	0.251	0.273	7.66	
69)	Atrazine	0.226	0.227	0.203	0.211	0.207	0.195	0.196	0.209	6.21	
70) C	Pentachlorophenol	0.090	0.113	0.115	0.132	0.131	0.132	0.138	0.121	13.87	
71)	Phenanthrene	1.195	1.123	1.001	1.025	0.984	0.925	0.912	1.024	10.05	
72)	Anthracene	1.153	1.096	0.978	1.005	0.970	0.902	0.885	0.999	9.73	
73)	Carbazole	1.058	1.001	0.893	0.916	0.889	0.836	0.815	0.915	9.49	
74)	Di-n-butylphth...	1.152	1.200	1.076	1.135	1.104	1.032	1.036	1.105	5.62	
75) C	Fluoranthene	1.331	1.266	1.124	1.159	1.127	1.059	1.034	1.157	9.27	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.752	0.769	0.731	0.752	0.737	0.693	0.721	0.737	3.37	
78)	Pyrene	1.549	1.493	1.382	1.438	1.384	1.310	1.339	1.413	6.02	
79) S	Terphenyl-d14	1.212	1.136	0.984	1.000	0.937	0.887	0.883	1.005	12.44	
80)	Butylbenzylphth...	0.471	0.542	0.532	0.588	0.591	0.579	0.615	0.560	8.69	
81)	Benzo(a)anthra...	1.468	1.419	1.303	1.358	1.322	1.268	1.290	1.347	5.42	
82)	3,3'-Dichlorob...	0.477	0.499	0.484	0.511	0.508	0.473	0.485	0.491	3.06	
83)	Chrysene	1.429	1.321	1.164	1.176	1.121	1.049	1.019	1.183	12.38	
84)	Bis(2-ethylhex...	0.741	0.768	0.694	0.739	0.706	0.655	0.678	0.712	5.59	
85) c	Di-n-octyl pht...	1.103	1.237	1.223	1.364	1.353	1.314	1.373	1.281	7.72	
86)	Indeno(1,2,3-c...	1.560	1.552	1.543	1.647	1.648	1.662	1.715	1.618	4.10	

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		-----ISTD-----									
87)	I	Perylene-d12									
88)		Benzo(b)fluora...	1.255	1.281	1.143	1.228	1.200	1.100	1.139	1.192	5.61
89)		Benzo(k)fluora...	1.337	1.215	1.115	1.093	1.082	1.023	0.990	1.122	10.57
90)	C	Benzo(a)pyrene	1.171	1.147	1.070	1.111	1.099	1.034	1.042	1.096	4.68
91)		Dibenzo(a,h)an...	1.186	1.158	1.095	1.139	1.128	1.060	1.067	1.119	4.20
92)		Benzo(g,h,i)pe...	1.153	1.128	1.087	1.145	1.138	1.103	1.133	1.127	2.10

(#) = Out of Range