

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270-BP121919.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 =BP001326.D 20 =BP001327.D 40 =BP001328.D 50 =BP001329.D 60 =BP001330.D 80 =BP001331.D 100 =BP001332.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.583	0.546	0.481	0.530	0.484	0.473	0.467	0.509	8.71
3)	Pyridine	1.400	1.466	1.372	1.513	1.356	1.311	1.320	1.391	5.38
4)	n-Nitrosodimet...	0.906	0.942	0.853	0.928	0.853	0.845	0.839	0.881	4.90
5) S	2-Fluorophenol	1.357	1.298	1.193	1.303	1.194	1.169	1.148	1.237	6.49
6)	Aniline	2.257	2.152	1.969	2.129	1.961	1.896	1.865	2.033	7.23
7) S	Phenol-d6	1.776	1.719	1.548	1.684	1.549	1.515	1.513	1.615	6.73
8)	2-Chlorophenol	1.413	1.295	1.188	1.314	1.199	1.157	1.142	1.244	8.00
9)	Benzaldehyde	1.354	1.274	1.102	1.159	1.000	0.908		1.133	14.70
10) C	Phenol	2.031	1.925	1.746	1.919	1.786	1.748	1.761	1.845	6.11
11)	bis(2-Chloroet...	1.484	1.403	1.243	1.351	1.243	1.201	1.211	1.305	8.35
12)	1,3-Dichlorobe...	1.727	1.630	1.493	1.624	1.470	1.456	1.449	1.550	7.07
13) C	1,4-Dichlorobe...	1.802	1.654	1.499	1.644	1.509	1.481	1.463	1.579	7.93
14)	1,2-Dichlorobe...	1.673	1.580	1.446	1.585	1.438	1.418	1.389	1.504	7.15
15)	Benzyl Alcohol	1.651	1.544	1.469	1.587	1.481	1.435	1.439	1.515	5.38
16)	2,2'-oxybis(1-...	2.367	2.220	1.991	2.143	1.959	1.910	1.879	2.067	8.75
17)	2-Methylphenol	1.225	1.195	1.060	1.158	1.049	1.007	1.002	1.099	8.34
18)	Hexachloroethane	0.740	0.716	0.648	0.704	0.645	0.630	0.618	0.672	7.11
19) P	n-Nitroso-di-n...	1.304	1.206	1.094	1.194	1.102	1.060	1.064	1.146	7.95
20)	3+4-Methylphenols	1.610	1.559	1.403	1.525	1.403	1.362	1.351	1.459	7.11
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.651	0.641	0.588	0.680	0.609	0.630	0.627	0.632	4.67
23) S	Nitrobenzene-d5	0.531	0.531	0.486	0.564	0.501	0.516	0.517	0.521	4.82
24)	Nitrobenzene	0.532	0.518	0.484	0.549	0.491	0.506	0.507	0.513	4.43
25)	Isophorone	0.873	0.855	0.782	0.901	0.799	0.825	0.827	0.837	4.99
26) C	2-Nitrophenol	0.180	0.181	0.173	0.200	0.179	0.184	0.184	0.183	4.49
27)	2,4-Dimethylph...	0.276	0.271	0.253	0.293	0.258	0.265	0.266	0.269	4.80
28)	bis(2-Chloroet...	0.520	0.510	0.468	0.544	0.481	0.487	0.490	0.500	5.17
29) C	2,4-Dichloroph...	0.342	0.340	0.310	0.361	0.322	0.329	0.327	0.333	4.94
30)	1,2,4-Trichlor...	0.429	0.416	0.378	0.444	0.390	0.404	0.404	0.409	5.51
31)	Naphthalene	1.139	1.098	1.012	1.178	1.046	1.086	1.083	1.092	5.06
32)	Benzoic acid	0.144	0.178	0.194	0.232	0.221	0.227	0.231	0.204	16.30
33)	4-Chloroaniline	0.475	0.458	0.414	0.482	0.431	0.438	0.427	0.446	5.74
34) C	Hexachlorobuta...	0.296	0.287	0.267	0.307	0.276	0.285	0.282	0.286	4.59
35)	Caprolactam	0.098	0.101	0.093	0.108	0.096	0.100	0.098	0.099	4.60
36) C	4-Chloro-3-met...	0.404	0.401	0.360	0.419	0.376	0.381	0.382	0.389	5.08
37)	2-Methylnaphth...	0.791	0.764	0.692	0.809	0.724	0.746	0.750	0.754	5.22
38)	1-Methylnaphth...	0.743	0.718	0.658	0.760	0.681	0.701	0.699	0.709	4.93

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.751	0.754	0.701	0.779	0.703	0.744	0.745	0.740	3.77	
41) P	Hexachlorocycl...	0.306	0.338	0.350	0.397	0.368	0.401	0.401	0.366	9.98	
42) S	2,4,6-Tribromo...	0.251	0.255	0.234	0.267	0.241	0.253	0.250	0.250	4.22	
43) C	2,4,6-Trichlor...	0.448	0.464	0.429	0.482	0.435	0.463	0.463	0.455	4.09	
44)	2,4,5-Trichlor...	0.472	0.473	0.443	0.503	0.442	0.470	0.467	0.467	4.46	
45) S	2-Fluorobiphenyl	1.610	1.600	1.488	1.665	1.498	1.607	1.602	1.582	4.07	
46)	1,1'-Biphenyl	1.751	1.685	1.574	1.764	1.594	1.675	1.672	1.674	4.27	
47)	2-Chloronaphth...	1.403	1.386	1.278	1.419	1.280	1.353	1.352	1.353	4.14	
48)	2-Nitroaniline	0.541	0.555	0.523	0.575	0.515	0.547	0.537	0.542	3.74	
49)	Acenaphthylene	2.068	2.019	1.858	2.076	1.882	1.985	1.958	1.978	4.31	
50)	Dimethylphthalate	1.717	1.676	1.554	1.733	1.553	1.627	1.626	1.641	4.38	
51)	2,6-Dinitrotol...	0.338	0.341	0.312	0.348	0.321	0.341	0.332	0.333	3.77	
52) C	Acenaphthene	1.239	1.227	1.115	1.254	1.134	1.194	1.179	1.192	4.44	
53)	3-Nitroaniline	0.381	0.370	0.336	0.374	0.345	0.353	0.344	0.358	4.85	
54) P	2,4-Dinitrophenol	0.102	0.120	0.128	0.149	0.144		0.129		14.50	
55)	Dibenzofuran	1.957	1.915	1.732	1.975	1.769	1.870	1.851	1.867	4.90	
56) P	4-Nitrophenol	0.238	0.257	0.245	0.278	0.247	0.265	0.260	0.256	5.32	
57)	2,4-Dinitrotol...	0.441	0.471	0.439	0.497	0.448	0.482	0.464	0.463	4.72	
58)	Fluorene	1.526	1.514	1.400	1.589	1.424	1.504	1.497	1.493	4.26	
59)	2,3,4,6-Tetrac...	0.399	0.399	0.381	0.435	0.383	0.407	0.405	0.401	4.44	
60)	Diethylphthalate	1.792	1.711	1.587	1.783	1.604	1.701	1.667	1.692	4.71	
61)	4-Chlorophenyl...	0.820	0.793	0.735	0.831	0.741	0.793	0.782	0.785	4.64	
62)	4-Nitroaniline	0.412	0.422	0.391	0.450	0.398	0.415	0.411	0.414	4.58	
63)	Azobenzene	1.866	1.837	1.680	1.883	1.700	1.766	1.739	1.782	4.57	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.076	0.082	0.082	0.098	0.091	0.097	0.101	0.090	10.74	
66) c	n-Nitrosodiphe...	0.669	0.642	0.598	0.675	0.608	0.627	0.619	0.634	4.66	
67)	4-Bromophenyl-...	0.247	0.236	0.223	0.254	0.229	0.233	0.233	0.236	4.45	
68)	Hexachlorobenzene	0.281	0.276	0.252	0.285	0.258	0.267	0.265	0.269	4.45	
69)	Atrazine	0.255	0.233	0.219	0.244	0.218	0.217	0.209	0.228	7.41	
70) C	Pentachlorophenol	0.122	0.131	0.129	0.151	0.140	0.147	0.146	0.138	8.01	
71)	Phenanthrene	1.185	1.159	1.068	1.222	1.097	1.139	1.117	1.141	4.62	
72)	Anthracene	1.193	1.135	1.058	1.203	1.085	1.129	1.105	1.130	4.76	
73)	Carbazole	1.055	1.023	0.947	1.074	0.978	0.999	0.973	1.007	4.58	
74)	Di-n-butylphth...	1.422	1.381	1.294	1.496	1.341	1.385	1.355	1.382	4.65	
75) C	Fluoranthene	1.323	1.297	1.183	1.371	1.228	1.276	1.254	1.276	4.86	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.640	0.585	0.551	0.635	0.588	0.538	0.538	0.582	7.35	
78)	Pyrene	1.618	1.540	1.429	1.674	1.506	1.551	1.552	1.553	5.04	
79) S	Terphenyl-d14	1.209	1.167	1.069	1.258	1.134	1.174	1.163	1.168	5.03	
80)	Butylbenzylpht...	0.735	0.727	0.674	0.783	0.701	0.724	0.723	0.724	4.59	
81)	Benzo(a)anthra...	1.530	1.483	1.344	1.554	1.408	1.440	1.442	1.457	4.94	
82)	3,3'-Dichlorob...	0.539	0.539	0.486	0.550	0.489	0.480	0.459	0.506	7.05	
83)	Chrysene	1.473	1.411	1.298	1.509	1.367	1.386	1.404	1.407	4.91	
84)	Bis(2-ethylhex...	1.089	1.053	0.958	1.153	1.031	1.069	1.083	1.062	5.60	
85) c	Di-n-octyl pht...	1.787	1.776	1.626	1.904	1.726	1.752	1.753	1.761	4.69	
86)	Indeno(1,2,3-c...	1.577	1.554	1.420	1.627	1.463	1.499	1.495	1.519	4.67	

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87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.362	1.318	1.218	1.392	1.295	1.295	1.314	1.313	4.22
89)		Benzo(k)fluora...	1.256	1.269	1.151	1.374	1.194	1.259	1.256	1.251	5.55
90)	C	Benzo(a)pyrene	1.222	1.207	1.109	1.281	1.154	1.196	1.208	1.197	4.53
91)		Dibenzo(a,h)an...	1.202	1.174	1.088	1.254	1.125	1.178	1.169	1.170	4.54
92)		Benzo(g,h,i)pe...	1.154	1.129	1.046	1.200	1.075	1.117	1.105	1.118	4.50

(#) = Out of Range