

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP013124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Feb 01 00:51:48 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BP019492.D 5 =BP019493.D 10 =BP019494.D 20 =BP019495.D 40 =BP019496.D 50 =BP019497.D 60 =BP019498.D 80 =BP019499.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.522	0.477	0.493	0.420	0.493	0.467	0.475	0.478		6.53
3)	Pyridine	1.249	1.307	1.308	1.208	1.300	1.341	1.360	1.296		4.03
4)	n-Nitrosodimet...	0.516	0.566	0.572	0.533	0.564	0.607	0.592	0.564		5.58
5) S	2-Fluorophenol	1.309	1.247	1.258	1.134	1.240	1.247	1.251	1.241		4.24
6)	Aniline	1.612	1.686	1.659	1.555	1.549	1.684	1.635	1.626		3.48
7) S	Phenol-d6	1.662	1.730	1.703	1.589	1.621	1.729	1.676	1.673		3.20
8)	2-Chlorophenol	1.274	1.305	1.290	1.200	1.256	1.316	1.277	1.274		3.00
9)	Benzaldehyde	1.223	1.176	1.092	1.331	1.205	1.228	0.956	1.173		10.16
10) C	Phenol	1.662	1.724	1.685	1.584	1.628	1.717	1.672	1.667		2.95
11)	bis(2-Chloroet...	1.324	1.345	1.330	1.250	1.243	1.323	1.265	1.297		3.29
12)	1,3-Dichlorobe...	1.632	1.572	1.586	1.447	1.538	1.584	1.553	1.559		3.70
13) C	1,4-Dichlorobe...	1.601	1.637	1.617	1.458	1.575	1.600	1.566	1.579		3.72
14)	1,2-Dichlorobe...	1.596	1.573	1.550	1.428	1.505	1.540	1.504	1.528		3.64
15)	Benzyl Alcohol	1.272	1.401	1.364	1.309	1.282	1.402	1.328	1.337		3.98
16)	2,2'-oxybis(1-...	1.298	1.380	1.346	1.276	1.230	1.325	1.227	1.297		4.45
17)	2-Methylphenol	1.087	1.179	1.149	1.096	1.069	1.167	1.112	1.123		3.77
18)	Hexachloroethane	0.634	0.607	0.636	0.580	0.607	0.620	0.600	0.612		3.21
19) P	n-Nitroso-di-n...	1.241	1.092	1.259	1.150	1.133	1.053	1.150	1.063	1.143	6.66
20)	3+4-Methylphenols	1.484	1.643	1.547	1.476	1.459	1.593	1.522	1.532		4.39
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.558	0.578	0.571	0.545	0.566	0.587	0.583	0.570		2.61
23) S	Nitrobenzene-d5	0.447	0.449	0.469	0.439	0.464	0.482	0.480	0.462		3.63
24)	Nitrobenzene	0.455	0.461	0.466	0.441	0.466	0.484	0.480	0.465		3.13
25)	Isophorone	0.790	0.857	0.803	0.782	0.805	0.804	0.786	0.804		3.12
26) C	2-Nitrophenol	0.154	0.165	0.174	0.174	0.187	0.194	0.192	0.177		8.21
27)	2,4-Dimethylph...	0.218	0.226	0.228	0.219	0.227	0.235	0.232	0.227		2.73
28)	bis(2-Chloroet...	0.451	0.472	0.453	0.445	0.454	0.462	0.446	0.455		2.06
29) C	2,4-Dichloroph...	0.333	0.336	0.343	0.330	0.349	0.356	0.350	0.343		2.86
30)	1,2,4-Trichlor...	0.445	0.404	0.422	0.397	0.421	0.426	0.426	0.420		3.73
31)	Naphthalene	1.116	1.116	1.092	1.038	1.095	1.117	1.105	1.097		2.55
32)	Benzoic acid	0.183	0.202	0.212	0.222	0.236	0.243	0.247	0.221		10.66
33)	4-Chloroaniline	0.389	0.425	0.407	0.391	0.413	0.409	0.405	0.406		3.09
34) C	Hexachlorobuta...	0.316	0.298	0.314	0.297	0.318	0.319	0.316	0.311		3.08
35)	Caprolactam	0.094	0.107	0.093	0.088	0.110	0.091	0.096	0.097		8.57
36) C	4-Chloro-3-met...	0.360	0.404	0.367	0.358	0.386	0.370	0.370	0.373		4.36
37)	2-Methylnaphth...	0.754	0.809	0.756	0.730	0.756	0.766	0.743	0.759		3.29
38)	1-Methylnaphth...	0.754	0.780	0.746	0.718	0.744	0.747	0.734	0.746		2.55

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.783	0.724	0.780	0.735	0.742	0.825	0.810	0.771	5.00	
41) P	Hexachlorocycl...	0.333	0.291	0.357	0.353	0.349	0.385	0.371	0.348	8.65	
42) S	2,4,6-Tribromo...	0.281	0.283	0.282	0.269	0.328	0.292	0.310	0.292	6.89	
43) C	2,4,6-Trichlor...	0.450	0.446	0.467	0.453	0.465	0.498	0.489	0.467	4.26	
44)	2,4,5-Trichlor...	0.480	0.499	0.513	0.495	0.519	0.541	0.542	0.513	4.57	
45) S	2-Fluorobiphenyl	1.632	1.560	1.655	1.557	1.553	1.701	1.667	1.618	3.75	
46)	1,1'-Biphenyl	1.612	1.549	1.623	1.539	1.533	1.668	1.651	1.596	3.50	
47)	2-Chloronaphth...	1.338	1.277	1.327	1.249	1.260	1.369	1.353	1.310	3.64	
48)	2-Nitroaniline	0.330	0.345	0.363	0.349	0.387	0.385	0.406	0.366	7.40	
49)	Acenaphthylene	1.840	1.838	1.848	1.734	1.830	1.881	1.898	1.838	2.85	
50)	Dimethylphthalate	1.579	1.553	1.513	1.415	1.598	1.524	1.534	1.531	3.86	
51)	2,6-Dinitrotol...	0.308	0.338	0.332	0.317	0.358	0.348	0.353	0.336	5.58	
52) C	Acenaphthene	1.151	1.142	1.140	1.082	1.134	1.163	1.175	1.141	2.59	
53)	3-Nitroaniline	0.281	0.313	0.307	0.278	0.340	0.311	0.333	0.309	7.60	
54) P	2,4-Dinitrophenol		0.147	0.155	0.158	0.201	0.184	0.203	0.175	14.11	
55)	Dibenzofuran	1.874	1.881	1.869	1.730	1.878	1.876	1.901	1.858	3.10	
56) P	4-Nitrophenol	0.241	0.248	0.242	0.218	0.291	0.249	0.285	0.253	10.12	
57)	2,4-Dinitrotol...	0.378	0.433	0.428	0.407	0.506	0.449	0.486	0.441	10.03	
58)	Fluorene	1.520	1.476	1.469	1.365	1.541	1.482	1.508	1.480	3.84	
59)	2,3,4,6-Tetrac...	0.419	0.421	0.428	0.401	0.468	0.431	0.452	0.431	5.18	
60)	Diethylphthalate	1.604	1.533	1.487	1.366	1.677	1.475	1.518	1.523	6.49	
61)	4-Chlorophenyl...	0.852	0.834	0.828	0.775	0.862	0.835	0.837	0.832	3.33	
62)	4-Nitroaniline	0.320	0.323	0.304	0.276	0.375	0.312	0.359	0.324	10.31	
63)	Azobenzene	1.497	1.511	1.464	1.351	1.557	1.452	1.476	1.473	4.34	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.090	0.096	0.107	0.115	0.126	0.130	0.133	0.114	14.80	
66) c	n-Nitrosodiphe...	0.574	0.597	0.603	0.604	0.572	0.643	0.599	0.599	3.91	
67)	4-Bromophenyl-...	0.237	0.245	0.254	0.256	0.243	0.269	0.247	0.250	4.28	
68)	Hexachlorobenzene	0.287	0.291	0.294	0.289	0.280	0.311	0.292	0.292	3.30	
69)	Atrazine	0.229	0.213	0.206	0.191	0.201	0.183	0.169	0.199	10.08	
70) C	Pentachlorophenol	0.160	0.170	0.177	0.180	0.196	0.194	0.197	0.182	7.73	
71)	Phenanthrene	1.054	1.055	1.051	0.992	1.053	1.096	1.067	1.053	2.95	
72)	Anthracene	1.044	1.051	1.046	1.001	1.057	1.086	1.066	1.050	2.49	
73)	Carbazole	0.988	0.944	0.945	0.852	0.994	0.954	1.001	0.954	5.32	
74)	Di-n-butylphth...	1.235	1.066	1.139	1.068	1.279	1.130	1.156	1.153	6.91	
75) C	Fluoranthene	1.395	1.191	1.267	1.116	1.406	1.239	1.387	1.286	8.81	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.391	0.697	0.250	0.378	0.460	0.352	0.399	0.418	33.08	
78)	Pyrene	1.302	1.617	1.354	1.396	1.368	1.515	1.328	1.412	8.02	
79) S	Terphenyl-d14	1.146	1.343	1.164	1.214	1.209	1.290	1.147	1.216	6.18	
80)	Butylbenzylphth...	0.508	0.517	0.524	0.525	0.562	0.543	0.510	0.527	3.63	
81)	Benzo(a)anthra...	1.416	1.401	1.413	1.341	1.416	1.447	1.420	1.408	2.31	
82)	3,3'-Dichlorob...	0.519	0.488	0.521	0.494	0.524	0.511	0.534	0.513	3.27	
83)	Chrysene	1.336	1.325	1.348	1.271	1.333	1.383	1.360	1.337	2.61	
84)	Bis(2-ethylhex...	0.859	0.743	0.833	0.798	0.861	0.774	0.751	0.803	6.14	
85) c	Di-n-octyl pht...	1.480	1.234	1.502	1.419	1.492	1.382	1.377	1.412	6.65	

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.479	1.568	1.515	1.479	1.479	1.643	1.554	1.531	4.03
88)	Benzo(b)fluora...	1.291	1.201	1.236	1.227	1.284	1.305	1.280	1.261	3.11
89)	Benzo(k)fluora...	1.196	1.204	1.218	1.131	1.243	1.197	1.240	1.204	3.12
90) C	Benzo(a)pyrene	1.105	1.105	1.111	1.074	1.140	1.157	1.159	1.122	2.80
91)	Dibenzo(a,h)an...	1.212	1.287	1.242	1.226	1.221	1.348	1.278	1.259	3.86
92)	Benzo(g,h,i)pe...	1.223	1.346	1.262	1.239	1.213	1.375	1.284	1.277	4.87

(#) = Out of Range