

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF121418.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF111407.D 10 =BF111408.D 25 =BF111409.D 40 =BF111410.D 50 =BF111411.D 60 =BF111412.D 80 =BF111413.D

Compound	2.5	10	25	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.636	0.612	0.603	0.598	0.481	0.541	0.594	0.580	9.05
3) Pyridine	1.303	1.508	1.522	1.500	1.268	1.477	1.628	1.458	8.76
4) n-Nitrosodimet...	0.581	0.647	0.701	0.705	0.589	0.678	0.735	0.662	8.94
5) S 2-Fluorophenol	1.228	1.412	1.286	1.203	1.011	1.108	1.165	1.202	10.68
6) Aniline	2.053	2.154	2.075	1.926	1.950	1.915	1.809	1.983	5.89
7) S Phenol-d6	1.703	1.724	1.654	1.548	1.553	1.541	1.468	1.599	5.95
8) 2-Chlorophenol	1.476	1.534	1.494	1.426	1.432	1.330	1.362	1.436	5.02
9) Benzaldehyde	1.094	1.137	1.020	0.901	0.872	0.794		0.970	13.92
10) C Phenol	1.828	1.938	1.848	1.739	1.706	1.743	1.664	1.781	5.31
11) bis(2-Chloroet...	1.492	1.445	1.415	1.365	1.421	1.292	1.343	1.396	4.80
12) 1,3-Dichlorobe...	1.679	1.671	1.635	1.530	1.535	1.536	1.479	1.581	5.02
13) C 1,4-Dichlorobe...	1.681	1.727	1.655	1.569	1.557	1.552	1.492	1.605	5.24
14) 1,2-Dichlorobe...	1.654	1.629	1.563	1.473	1.406	1.482	1.359	1.509	7.34
15) Benzyl Alcohol	1.234	1.274	1.266	1.195	1.187	1.227	1.132	1.216	4.05
16) 2,2'-oxybis(1-...	2.872	2.887	2.829	2.669	2.552	2.761	2.511	2.726	5.58
17) 2-Methylphenol	1.157	1.205	1.167	1.126	1.145	1.205	1.085	1.156	3.69
18) Hexachloroethane	0.611	0.616	0.607	0.572	0.579	0.631	0.565	0.597	4.22
19) P n-Nitroso-di-n...	1.069	1.144	1.068	1.010	1.007	1.096	0.990	1.055	5.28
20) 3+4-Methylphenols	1.539	1.616	1.526	1.399	1.354	1.431	1.283	1.450	8.03
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.497	0.402	0.482	0.447	0.446	0.413	0.438	0.446	7.63
23) S Nitrobenzene-d5	0.351	0.288	0.362	0.339	0.344	0.331	0.335	0.336	6.95
24) Nitrobenzene	0.368	0.294	0.360	0.343	0.350	0.342	0.341	0.343	6.87
25) Isophorone	0.592	0.479	0.590	0.561	0.586	0.595	0.575	0.568	7.24
26) C 2-Nitrophenol	0.166	0.151	0.190	0.181	0.187	0.188	0.180	0.178	8.08
27) 2,4-Dimethylph...	0.255	0.222	0.271	0.259	0.270	0.270	0.257	0.258	6.67
28) bis(2-Chloroet...	0.415	0.357	0.411	0.386	0.402	0.396	0.378	0.392	5.15
29) C 2,4-Dichloroph...	0.248	0.295	0.291	0.272	0.279	0.275	0.266	0.275	5.75
30) 1,2,4-Trichlor...	0.295	0.305	0.305	0.278	0.282	0.278	0.272	0.288	4.82
31) Naphthalene	1.030	1.022	0.985	0.907	0.885	0.869	0.850	0.935	8.04
32) Benzoic acid		0.171	0.233	0.228	0.234	0.235	0.234	0.223	11.32
33) 4-Chloroaniline	0.429	0.448	0.434	0.398	0.407	0.403	0.393	0.416	4.99
34) C Hexachlorobuta...	0.167	0.164	0.169	0.158	0.152	0.151	0.150	0.159	5.04
35) Caprolactam	0.090	0.106	0.107	0.101	0.105	0.106	0.100	0.102	5.76
36) C 4-Chloro-3-met...	0.307	0.319	0.319	0.292	0.299	0.295	0.289	0.303	4.12
37) 2-Methylnaphth...	0.659	0.664	0.797	0.591	0.584	0.575	0.562	0.633	13.09
38) 1-Methylnaphth...	0.664	0.642	0.764	0.569	0.560	0.546	0.535	0.612	13.59

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.586	0.612	0.582	0.530	0.524	0.504	0.501	0.548	8.06	
41) P	Hexachlorocycl...	0.212	0.280	0.296	0.289	0.297	0.294	0.303	0.282	11.21	
42) S	2,4,6-Tribromo...	0.185	0.200	0.193	0.175	0.173	0.165	0.164	0.179	7.67	
43) C	2,4,6-Trichlor...	0.382	0.412	0.409	0.376	0.384	0.381	0.373	0.388	4.07	
44)	2,4,5-Trichlor...	0.408	0.436	0.426	0.404	0.417	0.407	0.394	0.413	3.46	
45) S	2-Fluorobiphenyl	1.569	1.500	1.363	1.232	1.170	1.113	1.117	1.295	14.31	
46)	1,1'-Biphenyl	1.879	1.915	1.785	1.630	1.600	1.545	1.509	1.695	9.66	
47)	2-Chloronaphth...	1.358	1.429	1.362	1.238	1.253	1.201	1.176	1.288	7.37	
48)	2-Nitroaniline	0.391	0.439	0.432	0.405	0.427	0.419	0.416	0.418	3.91	
49)	Acenaphthylene	2.104	2.120	2.034	1.840	1.813	1.778	1.696	1.912	8.92	
50)	Dimethylphthalate	1.501	1.560	1.495	1.383	1.399	1.381	1.364	1.440	5.35	
51)	2,6-Dinitrotol...	0.303	0.344	0.346	0.312	0.332	0.323	0.310	0.324	5.23	
52) C	Acenaphthene	1.296	1.322	1.267	1.154	1.172	1.135	1.113	1.208	6.99	
53)	3-Nitroaniline	0.359	0.428	0.416	0.378	0.404	0.396	0.376	0.394	6.24	
54) P	2,4-Dinitrophenol		0.088	0.125	0.120	0.137	0.136	0.135	0.123	14.97	
55)	Dibenzofuran	1.953	1.967	1.868	1.675	1.669	1.597	1.550	1.754	9.82	
56) P	4-Nitrophenol	0.202	0.267	0.299	0.279	0.294	0.289	0.277	0.273	12.15	
57)	2,4-Dinitrotol...	0.401	0.449	0.459	0.416	0.429	0.418	0.406	0.426	5.04	
58)	Fluorene	1.517	1.440	1.331	1.202	1.171	1.121	1.123	1.272	12.51	
59)	2,3,4,6-Tetrac...	0.327	0.352	0.345	0.309	0.315	0.311	0.300	0.323	5.99	
60)	Diethylphthalate		1.789	1.558	1.395	1.370	1.333	1.309	1.459	12.59	
61)	4-Chlorophenyl...	0.713	0.707	0.658	0.600	0.578	0.558	0.543	0.623	11.29	
62)	4-Nitroaniline	0.369	0.409	0.409	0.381	0.396	0.393	0.370	0.390	4.29	
63)	Azobenzene	1.547	1.581	1.525	1.371	1.388	1.358	1.299	1.438	7.66	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.104	0.115	0.111	0.117	0.117	0.112	0.113	4.63		
66) c	n-Nitrosodiphe...	0.745	0.765	0.720	0.664	0.670	0.641	0.623	0.690	7.81	
67)	4-Bromophenyl-...	0.226	0.233	0.225	0.209	0.212	0.205	0.199	0.216	5.85	
68)	Hexachlorobenzene	0.227	0.243	0.235	0.216	0.218	0.211	0.203	0.222	6.36	
69)	Atrazine	0.215	0.235	0.221	0.198	0.193	0.176	0.157	0.199	13.45	
70) C	Pentachlorophenol		0.117	0.140	0.135	0.142	0.143	0.138	0.136	7.02	
71)	Phenanthrene	1.162	1.163	1.081	0.992	0.977	0.920	0.919	1.031	10.21	
72)	Anthracene	1.186	1.191	1.111	1.019	1.003	0.939	0.928	1.054	10.41	
73)	Carbazole	1.203	1.245	1.156	1.054	1.050	0.947	0.973	1.090	10.47	
74)	Di-n-butylphth...	1.342	1.414	1.313	1.201	1.166	0.984	1.076	1.214	12.61	
75) C	Fluoranthene	1.157	1.199	1.109	1.001	0.859	0.821	0.911	1.008	14.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.799	0.829	0.737	0.668	0.643		0.735	10.95		
78)	Pyrene	1.457	1.492	1.473	1.384	1.420	1.229	1.416	1.410	6.25	
79) S	Terphenyl-d14	0.953	0.933	0.877	0.821	0.822	0.747	0.809	0.852	8.59	
80)	Butylbenzylpht...	0.650	0.706	0.714	0.670	0.685	0.682	0.702	0.687	3.26	
81)	Benzo(a)anthra...	1.218	1.189	1.117	1.045	1.042	1.012	0.989	1.087	8.20	
82)	3,3'-Dichlorob...	0.476	0.502	0.481	0.421	0.420	0.413	0.380	0.442	10.06	
83)	Chrysene	1.228	1.247	1.195	1.078	1.118	1.093	1.061	1.146	6.65	
84)	Bis(2-ethylhex...	0.920	0.941	0.899	0.852	0.857	0.825	0.850	0.878	4.85	
85) c	Di-n-octyl pht...	1.506	1.609	1.561	1.435	1.454	1.437	1.362	1.481	5.67	
86)	Indeno(1,2,3-c...	0.949	0.937	0.757	0.685	0.821	0.819	0.819	0.827	11.28	

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		-----ISTD-----								
87)	I	Perylene-d12								
88)		Benzo(b)fluora...	1.125	1.138	1.197	1.195	1.168	1.201	1.138	1.166
89)		Benzo(k)fluora...	1.125	1.224	1.207	1.054	1.119	1.032	1.039	1.114
90)	C	Benzo(a)pyrene	1.066	1.117	1.092	1.013	1.033	1.032	1.008	1.051
91)		Dibenzo(a,h)an...	0.861	0.841	0.769	0.750	0.875	0.837	0.874	0.829
92)		Benzo(g,h,i)pe...	0.794	0.787	0.711	0.721	0.934	0.852	0.902	0.814

(#) = Out of Range