

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270E-BP020521.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 05 18:04:48 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP004677.D 10 =BP004678.D 20 =BP004679.D 40 =BP004680.D 50 =BP004681.D 60 =BP004682.D 80 =BP004683.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.667	0.573	0.547	0.519	0.541	0.524	0.510	0.554	9.69
3) Pyridine	1.338	1.370	1.426	1.371	1.450	1.422	1.448	1.404	3.13
4) n-Nitrosodimet...	0.600	0.573	0.583	0.551	0.603	0.589	0.590	0.584	3.03
5) S 2-Fluorophenol	1.480	1.335	1.258	1.176	1.305	1.263	1.249	1.295	7.37
6) Aniline	2.184	2.021	1.941	1.827	2.022	1.964	1.949	1.987	5.47
7) S Phenol-d6	1.972	1.765	1.739	1.639	1.828	1.768	1.758	1.781	5.68
8) 2-Chlorophenol	1.569	1.389	1.350	1.208	1.339	1.319	1.299	1.353	8.17
9) Benzaldehyde		0.867	0.811	0.776	0.762	0.656	0.617	0.748	12.63
10) C Phenol	1.993	1.731	1.655	1.592	1.747	1.670	1.682	1.724	7.46
11) bis(2-Chloroet...	1.535	1.388	1.284	1.203	1.303	1.265	1.252	1.319	8.42
12) 1,3-Dichlorobe...	2.006	1.682	1.607	1.468	1.630	1.579	1.555	1.647	10.42
13) C 1,4-Dichlorobe...	1.991	1.766	1.633	1.514	1.636	1.614	1.556	1.673	9.61
14) 1,2-Dichlorobe...	1.944	1.662	1.585	1.443	1.577	1.522	1.499	1.604	10.30
15) Benzyl Alcohol	1.354	1.279	1.310	1.274	1.420	1.355	1.370	1.338	3.93
16) 2,2'-oxybis(1-...	1.214	1.117	1.083	0.974	1.042	1.028	1.008	1.067	7.51
17) 2-Methylphenol	1.293	1.168	1.151	1.077	1.179	1.142	1.146	1.165	5.60
18) Hexachloroethane	0.689	0.642	0.608	0.587	0.633	0.620	0.610	0.627	5.19
19) P n-Nitroso-di-n...	1.110	1.075	1.054	1.029	1.115	1.078	1.076	1.076	2.79
20) 3+4-Methylphenols	1.620	1.531	1.521	1.445	1.601	1.554	1.555	1.546	3.71
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.607	0.566	0.554	0.546	0.612	0.595	0.591	0.581	4.49
23) S Nitrobenzene-d5	0.466	0.441	0.437	0.435	0.486	0.475	0.473	0.459	4.54
24) Nitrobenzene	0.480	0.446	0.436	0.426	0.474	0.458	0.457	0.454	4.30
25) Isophorone	0.729	0.695	0.704	0.702	0.781	0.755	0.769	0.734	4.77
26) C 2-Nitrophenol	0.167	0.161	0.167	0.174	0.199	0.194	0.197	0.180	9.06
27) 2,4-Dimethylph...	0.301	0.265	0.267	0.262	0.290	0.289	0.282	0.280	5.33
28) bis(2-Chloroet...	0.506	0.473	0.455	0.442	0.492	0.473	0.469	0.473	4.51
29) C 2,4-Dichloroph...	0.339	0.323	0.326	0.320	0.354	0.350	0.353	0.338	4.37
30) 1,2,4-Trichlor...	0.466	0.413	0.403	0.384	0.425	0.417	0.413	0.417	6.03
31) Naphthalene	1.316	1.161	1.134	1.068	1.186	1.156	1.151	1.167	6.43
32) Benzoic acid		0.126	0.182	0.209	0.239	0.246	0.255	0.210	23.35
33) 4-Chloroaniline	0.494	0.453	0.463	0.454	0.507	0.491	0.491	0.479	4.53
34) C Hexachlorobuta...	0.298	0.286	0.273	0.259	0.284	0.280	0.281	0.280	4.25
35) Caprolactam	0.082	0.095	0.103	0.110	0.124	0.116	0.118	0.107	13.86
36) C 4-Chloro-3-met...	0.407	0.389	0.387	0.381	0.424	0.408	0.412	0.401	3.92
37) 2-Methylnaphth...	0.900	0.832	0.801	0.773	0.855	0.824	0.828	0.830	4.82
38) 1-Methylnaphth...	0.856	0.781	0.766	0.731	0.815	0.772	0.781	0.786	5.05

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.786	0.708	0.679	0.668	0.742	0.720	0.728	0.719	5.52
41) P	Hexachlorocycl...	0.430	0.387	0.386	0.382	0.440	0.420	0.415	0.409	5.75
42) S	2,4,6-Tribromo...	0.254	0.261	0.257	0.250	0.288	0.272	0.278	0.266	5.26
43) C	2,4,6-Trichlor...	0.447	0.429	0.428	0.429	0.490	0.471	0.476	0.453	5.71
44)	2,4,5-Trichlor...	0.495	0.459	0.449	0.443	0.507	0.488	0.489	0.476	5.30
45) S	2-Fluorobiphenyl	1.763	1.625	1.553	1.516	1.712	1.632	1.653	1.636	5.22
46)	1,1'-Biphenyl	1.822	1.680	1.600	1.543	1.746	1.663	1.665	1.674	5.46
47)	2-Chloronaphth...	1.494	1.379	1.311	1.254	1.423	1.378	1.368	1.372	5.58
48)	2-Nitroaniline	0.341	0.362	0.384	0.400	0.461	0.440	0.448	0.405	11.33
49)	Acenaphthylene	2.108	1.992	1.969	1.898	2.129	2.047	2.047	2.027	3.98
50)	Dimethylphthalate	1.896	1.764	1.696	1.629	1.839	1.749	1.741	1.759	5.00
51)	2,6-Dinitrotol...	0.344	0.333	0.340	0.341	0.385	0.366	0.372	0.355	5.58
52) C	Acenaphthene	1.403	1.301	1.218	1.198	1.332	1.270	1.276	1.285	5.38
53)	3-Nitroaniline	0.333	0.341	0.354	0.358	0.413	0.387	0.394	0.369	8.10
54) P	2,4-Dinitrophenol	0.171	0.166	0.192	0.203	0.232	0.228	0.238	0.204	14.39
55)	Dibenzofuran	2.226	2.046	1.935	1.869	2.094	1.984	1.994	2.021	5.73
56) P	4-Nitrophenol	0.253	0.268	0.277	0.281	0.324	0.308	0.314	0.289	9.16
57)	2,4-Dinitrotol...	0.453	0.443	0.468	0.466	0.537	0.515	0.519	0.486	7.56
58)	Fluorene	1.777	1.636	1.578	1.543	1.747	1.658	1.685	1.661	5.08
59)	2,3,4,6-Tetrac...	0.459	0.442	0.443	0.428	0.479	0.461	0.457	0.453	3.65
60)	Diethylphthalate	1.852	1.763	1.689	1.645	1.866	1.753	1.775	1.763	4.53
61)	4-Chlorophenyl...	1.017	0.923	0.888	0.833	0.956	0.912	0.924	0.922	6.15
62)	4-Nitroaniline	0.359	0.371	0.384	0.387	0.449	0.430	0.440	0.403	8.99
63)	Azobenzene	1.707	1.655	1.594	1.567	1.752	1.651	1.667	1.656	3.79
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.105	0.102	0.116	0.118	0.137	0.136	0.141	0.122	13.20
66) c	n-Nitrosodiphe...	0.676	0.632	0.629	0.602	0.675	0.667	0.673	0.650	4.53
67)	4-Bromophenyl-...	0.285	0.249	0.243	0.236	0.266	0.262	0.263	0.258	6.43
68)	Hexachlorobenzene	0.298	0.280	0.270	0.261	0.289	0.282	0.284	0.281	4.34
69)	Atrazine	0.217	0.206	0.209	0.204	0.223	0.219	0.215	0.213	3.25
70) C	Pentachlorophenol	0.140	0.140	0.151	0.151	0.171	0.173	0.174	0.157	9.65
71)	Phenanthrene	1.340	1.235	1.192	1.114	1.251	1.226	1.215	1.225	5.53
72)	Anthracene	1.241	1.158	1.145	1.081	1.214	1.198	1.206	1.177	4.55
73)	Carbazole	1.139	1.041	1.051	0.993	1.124	1.097	1.117	1.080	4.94
74)	Di-n-butylphth...	1.270	1.222	1.272	1.234	1.429	1.417	1.436	1.326	7.30
75) C	Fluoranthene	1.564	1.435	1.431	1.340	1.499	1.464	1.480	1.459	4.73
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.305	0.247	0.368	0.405	0.375		0.340		18.62
78)	Pyrene	1.463	1.377	1.365	1.307	1.484	1.437	1.440	1.410	4.44
79) S	Terphenyl-d14	1.271	1.162	1.112	1.108	1.239	1.224	1.219	1.191	5.38
80)	Butylbenzylpht...	0.507	0.491	0.514	0.536	0.610	0.607	0.614	0.554	9.78
81)	Benzo(a)anthra...	1.528	1.392	1.373	1.316	1.460	1.434	1.426	1.418	4.76
82)	3,3'-Dichlorob...	0.462	0.427	0.438	0.431	0.472	0.470	0.447	0.450	4.11
83)	Chrysene	1.501	1.381	1.321	1.262	1.404	1.380	1.367	1.374	5.35
84)	Bis(2-ethylhex...	0.797	0.765	0.776	0.796	0.911	0.904	0.908	0.837	8.04
85) c	Di-n-octyl pht...	1.275	1.250	1.273	1.282	1.475	1.459	1.484	1.357	8.02

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.674	1.578	1.507	1.485	1.664	1.620	1.649	1.597		4.75
88)	Benzo(b)fluora...	1.589	1.441	1.361	1.370	1.513	1.453	1.527	1.465		5.71
89)	Benzo(k)fluora...	1.491	1.412	1.359	1.293	1.467	1.419	1.402	1.406		4.70
90) C	Benzo(a)pyrene	1.385	1.301	1.254	1.242	1.386	1.334	1.363	1.324		4.50
91)	Dibenzo(a,h)an...	1.422	1.310	1.248	1.229	1.392	1.346	1.377	1.332		5.49
92)	Benzo(g,h,i)pe...	1.367	1.257	1.220	1.190	1.319	1.282	1.312	1.278		4.78

(#) = Out of Range