

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270E-BP011221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jan 12 15:19:32 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP004498.D 10 =BP004499.D 20 =BP004500.D 40 =BP004501.D 50 =BP004502.D 60 =BP004503.D 80 =BP004504.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.494	0.551	0.467	0.409	0.460	0.462	0.405	0.464	10.82
3) Pyridine	1.229	1.414	1.268	1.119	1.270	1.285	1.117	1.243	8.29
4) n-Nitrosodimet...	0.389	0.458	0.395	0.343	0.405	0.407	0.354	0.393	9.63
5) S 2-Fluorophenol	1.169	1.355	1.168	1.004	1.161	1.166	1.009	1.147	10.32
6) Aniline	1.797	2.098	1.850	1.584	1.797	1.819	1.570	1.788	9.95
7) S Phenol-d6	1.578	1.867	1.614	1.400	1.590	1.587	1.365	1.572	10.45
8) 2-Chlorophenol	1.316	1.526	1.328	1.158	1.320	1.332	1.142	1.303	9.82
9) Benzaldehyde	0.933	1.046	0.652	0.659	0.699	0.661		0.775	22.03
10) C Phenol	1.509	1.780	1.547	1.339	1.528	1.531	1.314	1.507	10.23
11) bis(2-Chloroet...	1.203	1.422	1.235	1.080	1.217	1.226	1.058	1.206	9.92
12) 1,3-Dichlorobe...	1.659	1.891	1.639	1.424	1.624	1.633	1.408	1.611	10.08
13) C 1,4-Dichlorobe...	1.693	1.904	1.650	1.438	1.640	1.654	1.430	1.630	9.92
14) 1,2-Dichlorobe...	1.622	1.850	1.586	1.374	1.560	1.557	1.347	1.557	10.76
15) Benzyl Alcohol	0.960	1.166	1.039	0.929	1.051	1.068	0.916	1.018	8.74
16) 2,2'-oxybis(1-...	1.337	1.555	1.315	1.130	1.259	1.273	1.083	1.279	12.02
17) 2-Methylphenol	1.061	1.250	1.089	0.952	1.071	1.088	0.933	1.063	9.83
18) Hexachloroethane	0.585	0.663	0.566	0.496	0.568	0.570	0.494	0.563	10.19
19) P n-Nitroso-di-n...	0.904	1.066	0.912	0.782	0.885	0.875	0.746	0.881	11.69
20) 3+4-Methylphenols	1.430	1.720	1.471	1.303	1.473	1.483	1.276	1.451	10.02

21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.489	0.560	0.497	0.442	0.502	0.517	0.449	0.494	8.16
23) S Nitrobenzene-d5	0.339	0.396	0.356	0.319	0.365	0.376	0.326	0.354	7.79
24) Nitrobenzene	0.336	0.387	0.346	0.312	0.357	0.365	0.321	0.346	7.45
25) Isophorone	0.628	0.723	0.643	0.573	0.652	0.667	0.580	0.638	8.10
26) C 2-Nitrophenol	0.169	0.201	0.189	0.175	0.205	0.211	0.186	0.191	8.16
27) 2,4-Dimethylph...	0.251	0.291	0.265	0.240	0.273	0.282	0.247	0.264	7.17
28) bis(2-Chloroet...	0.435	0.498	0.442	0.390	0.445	0.456	0.398	0.438	8.27
29) C 2,4-Dichloroph...	0.323	0.385	0.349	0.322	0.367	0.381	0.330	0.351	7.70
30) 1,2,4-Trichlor...	0.408	0.472	0.418	0.380	0.436	0.447	0.394	0.422	7.55
31) Naphthalene	1.083	1.248	1.102	0.985	1.116	1.155	1.000	1.098	8.20
32) Benzoic acid	0.110	0.165	0.188	0.195	0.240	0.251		0.191	26.97
33) 4-Chloroaniline	0.457	0.533	0.483	0.425	0.486	0.501	0.436	0.474	7.97
34) C Hexachlorobuta...	0.277	0.312	0.279	0.254	0.293	0.304	0.267	0.284	7.27
35) Caprolactam	0.106	0.127	0.113	0.101	0.115	0.118	0.104	0.112	7.94
36) C 4-Chloro-3-met...	0.312	0.373	0.338	0.304	0.345	0.356	0.311	0.334	7.78
37) 2-Methylnaphth...	0.802	0.902	0.815	0.727	0.823	0.853	0.731	0.808	7.77
38) 1-Methylnaphth...	0.754	0.872	0.773	0.687	0.782	0.805	0.693	0.767	8.38

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.676	0.806	0.701	0.644	0.746	0.778	0.678	0.718	8.29
41) P	Hexachlorocycl...	0.132	0.226	0.240	0.264	0.325	0.352		0.257	30.46
42) S	2,4,6-Tribromo...	0.314	0.385	0.341	0.316	0.365	0.381	0.333	0.348	8.45
43) C	2,4,6-Trichlor...	0.414	0.509	0.457	0.425	0.496	0.518	0.453	0.468	8.77
44)	2,4,5-Trichlor...	0.430	0.527	0.475	0.444	0.515	0.538	0.473	0.486	8.55
45) S	2-Fluorobiphenyl	1.532	1.796	1.551	1.366	1.559	1.598	1.368	1.539	9.53
46)	1,1'-Biphenyl	1.564	1.837	1.592	1.420	1.634	1.684	1.460	1.599	8.75
47)	2-Chloronaphth...	1.283	1.501	1.318	1.186	1.358	1.404	1.214	1.323	8.26
48)	2-Nitroaniline	0.270	0.340	0.305	0.279	0.323	0.331	0.294	0.306	8.68
49)	Acenaphthylene	1.905	2.257	1.984	1.770	2.033	2.080	1.810	1.977	8.45
50)	Dimethylphthalate	1.638	1.900	1.667	1.468	1.684	1.728	1.516	1.657	8.57
51)	2,6-Dinitrotol...	0.315	0.389	0.357	0.322	0.371	0.384	0.336	0.353	8.40
52) C	Acenaphthene	1.161	1.385	1.210	1.076	1.232	1.270	1.102	1.205	8.75
53)	3-Nitroaniline	0.340	0.425	0.385	0.348	0.405	0.420	0.368	0.385	8.84
54) P	2,4-Dinitrophenol	0.080	0.138	0.150	0.164	0.202	0.222		0.159	31.55
55)	Dibenzofuran	1.915	2.243	1.977	1.737	1.983	2.036	1.769	1.951	8.73
56) P	4-Nitrophenol	0.202	0.272	0.270	0.250	0.293	0.306	0.274	0.267	12.64
57)	2,4-Dinitrotol...	0.408	0.526	0.483	0.442	0.518	0.532	0.473	0.483	9.58
58)	Fluorene	1.538	1.816	1.589	1.384	1.579	1.611	1.390	1.558	9.44
59)	2,3,4,6-Tetrac...	0.393	0.498	0.461	0.417	0.477	0.506	0.441	0.456	9.15
60)	Diethylphthalate	1.575	1.865	1.643	1.439	1.650	1.693	1.480	1.621	8.77
61)	4-Chlorophenyl...	0.862	1.012	0.887	0.780	0.898	0.926	0.798	0.880	8.93
62)	4-Nitroaniline	0.355	0.453	0.415	0.369	0.428	0.439	0.385	0.406	9.08
63)	Azobenzene	1.206	1.428	1.250	1.084	1.247	1.273	1.102	1.227	9.42
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.103	0.105	0.108	0.127	0.134	0.121	0.116		11.05
66) c	n-Nitrosodiphe...	0.611	0.712	0.627	0.555	0.631	0.646	0.557	0.620	8.75
67)	4-Bromophenyl-...	0.254	0.299	0.265	0.240	0.278	0.286	0.250	0.267	7.97
68)	Hexachlorobenzene	0.312	0.355	0.317	0.288	0.329	0.338	0.296	0.319	7.38
69)	Atrazine	0.225	0.260	0.220	0.199	0.218	0.224	0.181	0.218	11.26
70) C	Pentachlorophenol	0.129	0.130	0.133	0.158	0.163	0.147	0.143		10.41
71)	Phenanthrene	1.149	1.322	1.166	1.015	1.167	1.183	1.024	1.147	9.10
72)	Anthracene	1.104	1.277	1.139	0.988	1.130	1.147	0.993	1.111	8.94
73)	Carbazole	1.035	1.199	1.059	0.922	1.045	1.069	0.920	1.036	9.21
74)	Di-n-butylphth...	1.266	1.448	1.275	1.124	1.261	1.286	1.102	1.252	9.17
75) C	Fluoranthene	1.406	1.626	1.429	1.239	1.404	1.433	1.231	1.395	9.58
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.625	0.570	0.559	0.459	0.482	0.528	0.440	0.523	12.70
78)	Pyrene	1.346	1.547	1.382	1.220	1.387	1.412	1.232	1.361	8.22
79) S	Terphenyl-d14	1.137	1.308	1.148	0.979	1.086	1.089	0.917	1.095	11.52
80)	Butylbenzylpht...	0.539	0.620	0.559	0.495	0.560	0.575	0.506	0.550	7.69
81)	Benzo(a)anthra...	1.344	1.564	1.381	1.216	1.382	1.417	1.218	1.360	8.85
82)	3,3'-Dichlorob...	0.484	0.571	0.485	0.444	0.499	0.511	0.439	0.490	9.05
83)	Chrysene	1.299	1.479	1.313	1.151	1.319	1.343	1.160	1.295	8.68
84)	Bis(2-ethylhex...	0.787	0.907	0.798	0.706	0.793	0.812	0.699	0.786	8.93
85) c	Di-n-octyl pht...	1.309	1.506	1.357	1.202	1.364	1.396	1.209	1.335	8.00

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		-----ISTD-----											
86) I	Perylene-d12												
87)	Indeno(1,2,3-c...	1.492	1.723	1.601	1.407	1.566	1.614	1.400	1.543				7.62
88)	Benzo(b)fluora...	1.244	1.479	1.360	1.192	1.294	1.320	1.172	1.294				8.17
89)	Benzo(k)fluora...	1.240	1.360	1.262	1.129	1.260	1.308	1.082	1.235				7.91
90) C	Benzo(a)pyrene	1.174	1.348	1.254	1.111	1.222	1.255	1.088	1.207				7.50
91)	Dibenzo(a,h)an...	1.245	1.428	1.325	1.160	1.289	1.325	1.143	1.274				7.86
92)	Benzo(g,h,i)pe...	1.208	1.386	1.294	1.147	1.281	1.325	1.138	1.254				7.41

(#) = Out of Range