

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP022621.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 26 17:41:20 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP004859.D 10 =BP004860.D 20 =BP004861.D 40 =BP004862.D 50 =BP004863.D 60 =BP004864.D 80 =BP004865.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.525	0.633	0.550	0.511	0.470	0.478	0.441	0.515	12.24
3) Pyridine	1.177	1.483	1.411	1.339	1.272	1.322	1.173	1.311	8.76
4) n-Nitrosodimet...	0.506	0.624	0.579	0.527	0.498	0.512	0.475	0.532	9.79
5) S 2-Fluorophenol	1.250	1.503	1.354	1.235	1.180	1.200	1.114	1.262	10.21
6) Aniline	1.821	2.232	2.124	1.911	1.819	1.854	1.742	1.929	9.34
7) S Phenol-d6	1.606	1.990	1.849	1.705	1.619	1.678	1.572	1.717	8.79
8) 2-Chlorophenol	1.336	1.594	1.503	1.365	1.320	1.358	1.255	1.390	8.42
9) Benzaldehyde	1.071	1.212	1.089	0.899	0.833	0.826		0.988	16.04
10) C Phenol	1.661	2.024	1.860	1.731	1.636	1.668	1.570	1.736	9.00
11) bis(2-Chloroet...	1.261	1.495	1.362	1.234	1.176	1.222	1.126	1.268	9.78
12) 1,3-Dichlorobe...	1.554	1.827	1.713	1.522	1.432	1.485	1.359	1.556	10.44
13) C 1,4-Dichlorobe...	1.521	1.883	1.706	1.570	1.503	1.493	1.379	1.580	10.51
14) 1,2-Dichlorobe...	1.534	1.773	1.641	1.504	1.415	1.458	1.343	1.524	9.49
15) Benzyl Alcohol	1.251	1.576	1.471	1.372	1.298	1.339	1.287	1.370	8.42
16) 2,2'-oxybis(1-...	0.860	1.007	0.913	0.815	0.794	0.827	0.750	0.852	10.00
17) 2-Methylphenol	1.084	1.359	1.281	1.165	1.105	1.149	1.064	1.172	9.30
18) Hexachloroethane	0.576	0.705	0.661	0.594	0.557	0.573	0.523	0.599	10.53
19) P n-Nitroso-di-n...	1.029	1.287	1.182	1.108	1.074	1.081	1.020	1.111	8.48
20) 3+4-Methylphenols	1.525	1.862	1.749	1.611	1.522	1.555	1.473	1.614	8.74
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.495	0.626	0.583	0.536	0.517	0.515	0.507	0.540	8.80
23) S Nitrobenzene-d5	0.398	0.499	0.453	0.422	0.416	0.409	0.403	0.429	8.35
24) Nitrobenzene	0.404	0.530	0.480	0.437	0.431	0.426	0.414	0.446	9.93
25) Isophorone	0.677	0.891	0.826	0.767	0.765	0.750	0.746	0.774	8.72
26) C 2-Nitrophenol	0.163	0.209	0.205	0.195	0.194	0.196	0.193	0.193	7.67
27) 2,4-Dimethylph...	0.288	0.342	0.319	0.296	0.291	0.289	0.284	0.301	7.05
28) bis(2-Chloroet...	0.376	0.453	0.431	0.392	0.382	0.378	0.369	0.397	8.08
29) C 2,4-Dichloroph...	0.302	0.405	0.365	0.347	0.325	0.330	0.326	0.343	9.81
30) 1,2,4-Trichlor...	0.368	0.461	0.399	0.373	0.367	0.360	0.349	0.382	9.90
31) Naphthalene	1.093	1.325	1.208	1.110	1.095	1.075	1.068	1.139	8.28
32) Benzoic acid		0.206	0.206	0.222	0.223	0.235	0.244	0.223	6.81
33) 4-Chloroaniline	0.403	0.517	0.484	0.456	0.451	0.440	0.445	0.457	7.90
34) C Hexachlorobuta...	0.252	0.303	0.265	0.250	0.237	0.241	0.228	0.253	9.74
35) Caprolactam	0.086	0.116	0.115	0.106	0.113	0.107	0.115	0.108	9.67
36) C 4-Chloro-3-met...	0.352	0.475	0.428	0.397	0.400	0.387	0.402	0.406	9.38
37) 2-Methylnaphth...	0.791	0.961	0.879	0.803	0.788	0.785	0.790	0.828	8.13
38) 1-Methylnaphth...	0.734	0.931	0.818	0.761	0.756	0.739	0.737	0.782	9.18

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.575	0.743	0.668	0.663	0.605	0.616	0.592	0.637	9.08
41) P	Hexachlorocycl...	0.325	0.412	0.386	0.387	0.354	0.385	0.353	0.372	7.84
42) S	2,4,6-Tribromo...	0.224	0.291	0.273	0.266	0.255	0.251	0.257	0.259	7.96
43) C	2,4,6-Trichlor...	0.376	0.510	0.476	0.458	0.440	0.447	0.434	0.449	9.15
44)	2,4,5-Trichlor...	0.428	0.549	0.507	0.491	0.467	0.480	0.465	0.484	7.79
45) S	2-Fluorobiphenyl	1.378	1.734	1.546	1.508	1.400	1.454	1.383	1.486	8.53
46)	1,1'-Biphenyl	1.441	1.798	1.629	1.568	1.465	1.503	1.437	1.549	8.43
47)	2-Chloronaphth...	1.172	1.450	1.323	1.264	1.195	1.214	1.161	1.254	8.21
48)	2-Nitroaniline	0.300	0.418	0.402	0.394	0.390	0.372	0.386	0.380	10.05
49)	Acenaphthylene	1.784	2.301	2.101	2.031	1.920	1.912	1.876	1.989	8.64
50)	Dimethylphthalate	1.459	1.809	1.653	1.589	1.532	1.510	1.508	1.580	7.54
51)	2,6-Dinitrotol...	0.321	0.405	0.378	0.375	0.364	0.360	0.356	0.366	6.99
52) C	Acenaphthene	1.118	1.431	1.254	1.218	1.158	1.174	1.148	1.214	8.70
53)	3-Nitroaniline	0.288	0.400	0.369	0.364	0.361	0.348	0.364	0.356	9.58
54) P	2,4-Dinitrophenol	0.206	0.214	0.221	0.230	0.226	0.241	0.223		5.45
55)	Dibenzofuran	1.901	2.315	2.090	1.985	1.908	1.895	1.895	1.998	7.85
56) P	4-Nitrophenol	0.198	0.317	0.302	0.301	0.319	0.299	0.321	0.294	14.79
57)	2,4-Dinitrotol...	0.403	0.549	0.521	0.512	0.514	0.489	0.508	0.500	9.22
58)	Fluorene	1.462	1.886	1.693	1.637	1.588	1.555	1.578	1.628	8.22
59)	2,3,4,6-Tetrac...	0.396	0.496	0.471	0.450	0.442	0.431	0.436	0.446	7.11
60)	Diethylphthalate	1.502	1.895	1.710	1.614	1.590	1.557	1.565	1.633	8.06
61)	4-Chlorophenyl...	0.787	0.982	0.869	0.848	0.796	0.807	0.800	0.841	8.19
62)	4-Nitroaniline	0.279	0.416	0.394	0.386	0.397	0.375	0.394	0.377	11.94
63)	Azobenzene	1.502	1.920	1.764	1.678	1.609	1.601	1.578	1.665	8.38
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.101	0.154	0.150	0.152	0.149	0.154	0.153	0.145	13.38
66) c	n-Nitrosodiphe...	0.579	0.766	0.688	0.663	0.614	0.638	0.605	0.650	9.65
67)	4-Bromophenyl-...	0.212	0.282	0.244	0.237	0.217	0.220	0.214	0.232	10.78
68)	Hexachlorobenzene	0.240	0.304	0.268	0.255	0.236	0.245	0.234	0.254	9.83
69)	Atrazine	0.191	0.268	0.241	0.230	0.222	0.224	0.214	0.227	10.48
70) C	Pentachlorophenol	0.128	0.173	0.170	0.173	0.164	0.167	0.165	0.163	9.74
71)	Phenanthrene	1.076	1.374	1.231	1.185	1.121	1.135	1.100	1.174	8.72
72)	Anthracene	1.028	1.336	1.224	1.168	1.113	1.122	1.094	1.155	8.69
73)	Carbazole	0.982	1.276	1.169	1.120	1.086	1.062	1.062	1.108	8.45
74)	Di-n-butylphth...	1.030	1.405	1.324	1.289	1.251	1.267	1.246	1.259	9.11
75) C	Fluoranthene	1.262	1.625	1.479	1.394	1.396	1.337	1.351	1.406	8.32
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.457	0.607	0.560	0.554	0.524	0.516	0.446	0.523	10.99
78)	Pyrene	1.225	1.573	1.459	1.400	1.305	1.360	1.273	1.371	8.66
79) S	Terphenyl-d14	0.978	1.252	1.153	1.127	1.042	1.075	1.029	1.094	8.36
80)	Butylbenzylpht...	0.424	0.584	0.586	0.580	0.553	0.563	0.544	0.548	10.39
81)	Benzo(a)anthra...	1.252	1.584	1.450	1.388	1.331	1.328	1.289	1.374	8.19
82)	3,3'-Dichlorob...	0.423	0.544	0.524	0.493	0.474	0.468	0.449	0.482	8.67
83)	Chrysene	1.236	1.572	1.426	1.354	1.300	1.282	1.242	1.345	8.95
84)	Bis(2-ethylhex...	0.642	0.880	0.850	0.841	0.812	0.827	0.808	0.809	9.57
85) c	Di-n-octyl pht...	1.097	1.509	1.438	1.440	1.391	1.378	1.361	1.373	9.58

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.354	1.710	1.583	1.503	1.478	1.469	1.451	1.507	7.45	
88)	Benzo(b)fluora...	1.271	1.702	1.553	1.432	1.365	1.371	1.328	1.432	10.38	
89)	Benzo(k)fluora...	1.249	1.535	1.400	1.363	1.345	1.348	1.307	1.364	6.53	
90) C	Benzo(a)pyrene	1.158	1.472	1.361	1.301	1.253	1.253	1.220	1.288	7.96	
91)	Dibenzo(a,h)an...	1.176	1.482	1.361	1.307	1.301	1.279	1.271	1.311	7.13	
92)	Benzo(g,h,i)pe...	1.156	1.455	1.314	1.261	1.243	1.228	1.205	1.266	7.63	

(#) = Out of Range