

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP111921.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Nov 20 00:21:11 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP008039.D 10 =BP008040.D 20 =BP008041.D 40 =BP008042.D 50 =BP008043.D 60 =BP008044.D 80 =BP008045.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.656	0.629	0.533	0.517	0.502	0.449		0.548	14.45
3) Pyridine	1.765	1.737	1.610	1.593	1.527	1.428	1.314	1.568	10.28
4) n-Nitrosodimet...	0.860	0.796	0.710	0.691	0.674	0.620	0.565	0.702	14.27
5) S 2-Fluorophenol		1.422	1.248	1.186	1.150	1.057	0.957	1.170	13.69
6) Aniline	2.461	2.362	2.099	1.979	1.935	1.838	1.660	2.048	13.87
7) S Phenol-d6		1.972	1.743	1.642	1.579	1.470	1.326	1.622	13.79
8) 2-Chlorophenol	1.557	1.470	1.300	1.217	1.219	1.118		1.314	12.76
9) Benzaldehyde	1.428	1.325	1.158	1.012	0.931			1.171	17.76
10) C Phenol	2.107	1.991	1.790	1.699	1.651	1.539	1.384	1.737	14.42
11) bis(2-Chloroet...	1.756	1.662	1.486	1.372	1.350	1.251		1.480	13.19
12) 1,3-Dichlorobe...	1.806	1.694	1.494	1.402	1.382	1.269		1.508	13.52
13) C 1,4-Dichlorobe...	1.827	1.737	1.530	1.398	1.402	1.289		1.530	13.78
14) 1,2-Dichlorobe...	1.764	1.665	1.463	1.345	1.345	1.230		1.469	14.05
15) Benzyl Alcohol	1.620	1.605	1.443	1.368	1.336	1.278	1.151	1.400	12.18
16) 2,2'-oxybis(1-...	2.778	2.656	2.294	2.118	2.065	1.926		2.306	14.81
17) 2-Methylphenol	1.370	1.319	1.191	1.111	1.085	1.016	0.921	1.145	14.02
18) Hexachloroethane	0.663	0.622	0.561	0.525	0.522	0.484	0.438	0.545	14.24
19) P n-Nitroso-di-n...	1.446	1.365	1.223	1.110	1.074	0.992		1.202	14.65
20) 3+4-Methylphenols	1.872	1.855	1.657	1.546	1.494	1.413	1.270	1.587	14.07
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.656	0.628	0.553	0.518	0.509	0.465		0.555	13.30
23) S Nitrobenzene-d5	0.521	0.507	0.452	0.430	0.422	0.391	0.362	0.441	13.09
24) Nitrobenzene	0.502	0.495	0.440	0.423	0.417	0.386	0.363	0.432	12.03
25) Isophorone	0.896	0.875	0.798	0.754	0.750	0.704	0.655	0.776	11.25
26) C 2-Nitrophenol	0.196	0.196	0.187	0.182	0.186	0.174	0.165	0.184	6.17
27) 2,4-Dimethylph...	0.330	0.316	0.283	0.268	0.266	0.247	0.231	0.277	12.87
28) bis(2-Chloroet...	0.600	0.571	0.518	0.478	0.476	0.438	0.397	0.497	14.40
29) C 2,4-Dichloroph...	0.381	0.376	0.343	0.325	0.326	0.304	0.285	0.334	10.60
30) 1,2,4-Trichlor...	0.450	0.435	0.386	0.366	0.368	0.338	0.316	0.380	12.82
31) Naphthalene	1.249	1.163	1.039	0.970	0.970	0.893	0.828	1.016	14.54
32) Benzoic acid	0.217	0.233	0.240	0.251	0.251	0.240	0.231	0.238	5.09
33) 4-Chloroaniline	0.503	0.491	0.447	0.417	0.412	0.387	0.362	0.431	12.07
34) C Hexachlorobuta...	0.308	0.288	0.261	0.245	0.251	0.232	0.215	0.257	12.45
35) Caprolactam	0.082	0.080	0.078	0.075	0.071	0.070	0.067	0.075	7.39
36) C 4-Chloro-3-met...	0.453	0.440	0.399	0.377	0.362	0.346	0.322	0.386	12.44
37) 2-Methylnaphth...	0.895	0.845	0.754	0.689	0.685	0.632		0.750	13.60
38) 1-Methylnaphth...	0.890	0.827	0.736	0.673	0.664	0.617		0.735	14.31

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.765	0.720	0.655	0.613	0.628	0.580	0.532	0.642	12.48
41) P	Hexachlorocycl...	0.224	0.269	0.285	0.308	0.338	0.317	0.299	0.292	12.78
42) S	2,4,6-Tribromo...	0.299	0.285	0.262	0.242	0.237	0.231	0.216	0.253	11.86
43) C	2,4,6-Trichlor...	0.495	0.487	0.456	0.430	0.437	0.412	0.377	0.442	9.37
44)	2,4,5-Trichlor...	0.540	0.530	0.492	0.467	0.467	0.439	0.401	0.477	10.28
45) S	2-Fluorobiphenyl	1.573	1.392	1.255	1.259	1.146	1.039	1.277		14.67
46)	1,1'-Biphenyl	1.783	1.639	1.481	1.367	1.375	1.266	1.485		13.02
47)	2-Chloronaphth...	1.378	1.284	1.159	1.079	1.096	1.003	0.925	1.132	13.89
48)	2-Nitroaniline	0.435	0.441	0.423	0.406	0.399	0.382	0.353	0.406	7.70
49)	Acenaphthylene	2.135	1.985	1.831	1.700	1.676	1.555	1.427	1.758	13.93
50)	Dimethylphthalate	1.858	1.745	1.575	1.446	1.422	1.332	1.224	1.514	14.91
51)	2,6-Dinitrotol...	0.364	0.353	0.330	0.310	0.304	0.292	0.268	0.317	10.64
52) C	Acenaphthene	1.293	1.196	1.080	0.993	0.983	0.920	1.078		13.22
53)	3-Nitroaniline	0.365	0.368	0.347	0.330	0.318	0.309	0.284	0.332	9.27
54) P	2,4-Dinitrophenol	0.169	0.193	0.202	0.211	0.206	0.209	0.196	0.198	7.23
55)	Dibenzofuran	2.266	2.093	1.865	1.696	1.669	1.543	1.855		14.91
56) P	4-Nitrophenol	0.268	0.284	0.282	0.278	0.260	0.253	0.237	0.266	6.53
57)	2,4-Dinitrotol...	0.497	0.479	0.469	0.439	0.416	0.402	0.369	0.439	10.44
58)	Fluorene	1.753	1.602	1.407	1.252	1.208		1.444		16.02
59)	2,3,4,6-Tetrac...	0.497	0.480	0.448	0.420	0.409	0.389	0.360	0.429	11.45
60)	Diethylphthalate	1.846	1.733	1.575	1.438	1.405	1.324	1.554		13.07
61)	4-Chlorophenyl...	0.969	0.882	0.780	0.690	0.678		0.800		15.69
62)	4-Nitroaniline	0.376	0.382	0.362	0.343	0.321	0.314	0.291	0.341	10.01
63)	Azobenzene	1.910	1.817	1.653	1.510	1.462	1.369	1.620		13.05
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.127	0.143	0.138	0.140	0.140	0.132	0.125	0.135	5.10
66) c	n-Nitrosodiphe...	0.683	0.661	0.588	0.540	0.552	0.492	0.457	0.567	14.65
67)	4-Bromophenyl-...	0.258	0.250	0.220	0.209	0.218	0.197	0.183	0.219	12.35
68)	Hexachlorobenzene	0.281	0.269	0.238	0.225	0.228	0.207	0.194	0.234	13.42
69)	Atrazine	0.173	0.166	0.151	0.144	0.139	0.127	0.116	0.145	13.97
70) C	Pentachlorophenol	0.161	0.161	0.155	0.151	0.152	0.142	0.134	0.151	6.66
71)	Phenanthrene	1.297	1.221	1.081	0.991	0.983	0.893	1.078		14.32
72)	Anthracene	1.269	1.206	1.071	0.992	0.976	0.887	1.067		13.69
73)	Carbazole	1.265	1.201	1.062	0.967	0.922		1.083		13.62
74)	Di-n-butylphth...	1.397	1.381	1.243	1.135	1.129	1.036	0.943	1.181	14.39
75) C	Fluoranthene	1.635	1.559	1.358	1.242	1.151		1.389		14.79
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.363	0.353	0.410	0.321	0.295	0.348			12.53
78)	Pyrene	1.575	1.481	1.335	1.262	1.454	1.245	1.156	1.358	11.04
79) S	Terphenyl-d14	1.247	1.145	1.002	0.920	1.052	0.909	0.845	1.017	13.99
80)	Butylbenzylpht...	0.620	0.610	0.566	0.545	0.595	0.541	0.495	0.567	7.78
81)	Benzo(a)anthra...	1.636	1.535	1.373	1.270	1.283	1.190	1.102	1.341	14.09
82)	3,3'-Dichlorob...	0.766	0.707	0.618	0.563	0.523		0.636		15.82
83)	Chrysene	1.550	1.466	1.303	1.219	1.213	1.125	1.033	1.273	14.38
84)	Bis(2-ethylhex...	0.920	0.869	0.769	0.714	0.788	0.688	0.627	0.768	13.33
85) c	Di-n-octyl pht...	1.562	1.533	1.452	1.393	1.387	1.312	1.208	1.407	8.76

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.667	1.524	1.426	1.233	1.365	1.111		1.388	14.36	
88)	Benzo(b)fluora...	1.518	1.351	1.249	1.185	1.206	1.168	1.075	1.250	11.55	
89)	Benzo(k)fluora...	1.448	1.420	1.232	1.165	1.245	1.135	1.062	1.244	11.56	
90) C	Benzo(a)pyrene	1.238	1.168	1.061	1.007	1.024	0.952	0.886	1.048	11.58	
91)	Dibenzo(a,h)an...	1.383	1.274	1.185	1.033	1.131	0.926		1.155	14.21	
92)	Benzo(g,h,i)pe...	1.354	1.229	1.165	0.987	1.138	0.917		1.132	14.07	

(#) = Out of Range