

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP071522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jul 15 13:54:34 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP010976.D 10 =BP010977.D 20 =BP010978.D 40 =BP010979.D 50 =BP010980.D 60 =BP010981.D 80 =BP010982.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.605	0.549	0.572	0.586	0.543	0.553	0.529	0.562	4.70
3)	Pyridine	1.530	1.469	1.450	1.565	1.508	1.544	1.420	1.498	3.55
4)	n-Nitrosodimet...	0.687	0.627	0.650	0.656	0.629	0.648	0.610	0.644	3.85
5) S	2-Fluorophenol	1.367	1.256	1.254	1.308	1.238	1.273	1.137	1.262	5.57
6)	Aniline	1.608	1.805	1.871	1.896	1.875	1.937	1.776	1.824	6.00
7) S	Phenol-d6	1.685	1.578	1.620	1.657	1.607	1.659	1.496	1.614	3.93
8)	2-Chlorophenol	1.412	1.311	1.354	1.376	1.315	1.357	1.220	1.335	4.61
9)	Benzaldehyde		1.017	0.969	0.824	0.751	0.747		0.861	14.50
10) C	Phenol	1.714	1.617	1.656	1.696	1.640	1.698	1.539	1.651	3.67
11)	bis(2-Chloroet...	1.391	1.286	1.337	1.337	1.266	1.317	1.214	1.307	4.37
12)	1,3-Dichlorobe...	1.591	1.483	1.484	1.509	1.409	1.466	1.313	1.465	5.90
13) C	1,4-Dichlorobe...	1.614	1.506	1.510	1.526	1.438	1.486	1.339	1.489	5.67
14)	1,2-Dichlorobe...	1.531	1.416	1.415	1.427	1.337	1.393	1.251	1.396	6.18
15)	Benzyl Alcohol	1.141	1.052	1.085	1.102	1.097	1.142	1.062	1.097	3.19
16)	2,2'-oxybis(1-...	1.990	1.816	1.845	1.828	1.744	1.789	1.631	1.806	6.01
17)	2-Methylphenol	1.117	1.070	1.088	1.112	1.083	1.121	1.023	1.088	3.17
18)	Hexachloroethane	0.564	0.524	0.546	0.557	0.526	0.547	0.505	0.538	3.89
19) P	n-Nitroso-di-n...	0.984	0.944	0.943	0.965	0.951	0.985	0.883	0.951	3.62
20)	3+4-Methylphenols	1.518	1.461	1.493	1.523	1.499	1.560	1.425	1.497	2.93
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.511	0.482	0.488	0.507	0.482	0.504	0.456	0.490	3.91
23) S	Nitrobenzene-d5	0.372	0.350	0.365	0.380	0.361	0.380	0.349	0.365	3.47
24)	Nitrobenzene	0.375	0.357	0.370	0.383	0.368	0.382	0.354	0.370	3.05
25)	Isophorone	0.604	0.603	0.616	0.653	0.648	0.680	0.629	0.634	4.52
26) C	2-Nitrophenol	0.160	0.148	0.166	0.173	0.171	0.180	0.173	0.167	6.38
27)	2,4-Dimethylph...	0.259	0.248	0.255	0.268	0.259	0.273	0.252	0.259	3.39
28)	bis(2-Chloroet...	0.395	0.372	0.380	0.390	0.382	0.396	0.363	0.383	3.17
29) C	2,4-Dichloroph...	0.281	0.267	0.278	0.291	0.282	0.297	0.277	0.282	3.45
30)	1,2,4-Trichlor...	0.319	0.299	0.306	0.314	0.297	0.313	0.290	0.305	3.39
31)	Naphthalene	1.116	1.051	1.055	1.096	1.048	1.089	0.985	1.063	4.05
32)	Benzoic acid	0.177	0.176	0.190	0.219	0.227	0.240	0.235	0.209	13.29
33)	4-Chloroaniline	0.261	0.396	0.408	0.433	0.426	0.447	0.412	0.398	15.69
34) C	Hexachlorobuta...	0.181	0.168	0.173	0.176	0.165	0.173	0.164	0.171	3.62
35)	Caprolactam	0.083	0.090	0.087	0.102	0.103	0.110	0.103	0.097	10.30
36) C	4-Chloro-3-met...	0.301	0.298	0.302	0.326	0.325	0.344	0.316	0.316	5.38
37)	2-Methylnaphth...	0.708	0.687	0.683	0.719	0.696	0.731	0.663	0.698	3.28
38)	1-Methylnaphth...	0.688	0.666	0.661	0.698	0.679	0.707	0.635	0.676	3.64

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.565	0.516	0.547	0.501	0.524	0.546	0.507	0.530	4.45
41) P	Hexachlorocycl...	0.298	0.266	0.304	0.279	0.292	0.306	0.293	0.291	4.90
42) S	2,4,6-Tribromo...	0.197	0.196	0.196	0.251	0.208	0.218	0.207	0.210	9.42
43) C	2,4,6-Trichlor...	0.384	0.358	0.377	0.352	0.382	0.396	0.368	0.374	4.14
44)	2,4,5-Trichlor...	0.413	0.385	0.410	0.388	0.419	0.436	0.406	0.408	4.23
45) S	2-Fluorobiphenyl	1.432	1.323	1.339	1.228	1.278	1.309	1.150	1.294	6.88
46)	1,1'-Biphenyl	1.621	1.506	1.530	1.420	1.495	1.531	1.392	1.499	5.07
47)	2-Chloronaphth...	1.235	1.140	1.162	1.074	1.139	1.173	1.077	1.143	4.89
48)	2-Nitroaniline	0.357	0.337	0.364	0.353	0.394	0.406	0.385	0.371	6.71
49)	Acenaphthylene	1.857	1.791	1.873	1.924	1.878	1.943	1.753	1.860	3.65
50)	Dimethylphthalate	1.449	1.435	1.405	1.367	1.461	1.512	1.365	1.428	3.71
51)	2,6-Dinitrotol...	0.265	0.278	0.296	0.288	0.317	0.331	0.308	0.298	7.68
52) C	Acenaphthene	1.164	1.108	1.109	1.153	1.120	1.159	1.049	1.123	3.59
53)	3-Nitroaniline	0.066	0.310	0.339	0.371	0.376	0.398	0.373	0.319	36.17
54) P	2,4-Dinitrophenol	0.130	0.145	0.170	0.170	0.181	0.185	0.164		13.12
55)	Dibenzofuran	1.808	1.724	1.705	1.783	1.708	1.762	1.577	1.724	4.39
56) P	4-Nitrophenol	0.241	0.268	0.280	0.311	0.317	0.332	0.314	0.295	11.04
57)	2,4-Dinitrotol...	0.312	0.354	0.384	0.431	0.431	0.456	0.424	0.399	12.86
58)	Fluorene	1.453	1.406	1.373	1.442	1.392	1.437	1.280	1.398	4.25
59)	2,3,4,6-Tetrac...	0.331	0.334	0.333	0.380	0.348	0.360	0.333	0.346	5.37
60)	Diethylphthalate	1.492	1.463	1.429	1.536	1.509	1.566	1.424	1.489	3.59
61)	4-Chlorophenyl...	0.658	0.627	0.609	0.659	0.617	0.635	0.565	0.624	5.16
62)	4-Nitroaniline	0.114	0.314	0.343	0.382	0.392	0.411	0.388	0.335	30.69
63)	Azobenzene	1.400	1.395	1.419	1.437	1.487	1.538	1.400	1.440	3.76
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.085	0.103	0.112	0.111	0.120	0.119	0.108		11.93
66) c	n-Nitrosodiphe...	0.630	0.583	0.612	0.615	0.596	0.623	0.559	0.603	4.14
67)	4-Bromophenyl-...	0.204	0.183	0.193	0.207	0.188	0.200	0.185	0.194	4.93
68)	Hexachlorobenzene	0.231	0.208	0.216	0.246	0.212	0.224	0.207	0.221	6.36
69)	Atrazine	0.206	0.189	0.186	0.194	0.178	0.183	0.163	0.185	7.20
70) C	Pentachlorophenol	0.154	0.131	0.137	0.153	0.139	0.147	0.138	0.143	6.10
71)	Phenanthrene	1.172	1.093	1.109	1.140	1.079	1.128	0.996	1.102	5.11
72)	Anthracene	1.114	1.029	1.068	1.101	1.050	1.106	0.978	1.064	4.61
73)	Carbazole	1.048	1.004	1.011	1.048	1.014	1.059	0.943	1.018	3.89
74)	Di-n-butylphth...	1.388	1.405	1.372	1.368	1.321	1.365	1.083	1.329	8.38
75) C	Fluoranthene	1.260	1.216	1.229	1.325	1.225	1.278	1.103	1.234	5.59
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.025	0.189	0.311	0.345	0.342		0.243		56.63
78)	Pyrene	1.427	1.305	1.364	1.359	1.361	1.431	1.253	1.357	4.66
79) S	Terphenyl-d14	1.046	0.968	0.973	0.985	0.938	0.969	0.731	0.944	10.56
80)	Butylbenzylpht...	0.653	0.600	0.648	0.628	0.669	0.710	0.661	0.653	5.28
81)	Benzo(a)anthra...	1.363	1.289	1.321	1.359	1.312	1.362	1.229	1.319	3.71
82)	3,3'-Dichlorob...	0.325	0.383	0.415	0.391	0.404	0.368	0.381		8.33
83)	Chrysene	1.308	1.228	1.254	1.283	1.244	1.290	1.146	1.250	4.30
84)	Bis(2-ethylhex...	0.953	0.889	0.959	0.907	0.946	1.016	0.897	0.938	4.72
85) c	Di-n-octyl pht...	1.640	1.481	1.613	1.588	1.640	1.733	1.397	1.585	7.05

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.526	1.415	1.505	1.580	1.480	1.553	1.418	1.497	4.24	
88)	Benzo(b)fluora...	1.278	1.177	1.244	1.291	1.223	1.266	1.149	1.233	4.31	
89)	Benzo(k)fluora...	1.240	1.211	1.193	1.249	1.221	1.308	1.134	1.222	4.37	
90) C	Benzo(a)pyrene	1.046	0.985	1.029	1.078	1.039	1.098	0.992	1.038	3.99	
91)	Dibenzo(a,h)an...	1.287	1.201	1.252	1.317	1.231	1.286	1.153	1.247	4.55	
92)	Benzo(g,h,i)pe...	1.268	1.169	1.237	1.309	1.225	1.285	1.179	1.239	4.23	

(#) = Out of Range