

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP070721.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jul 07 16:08:13 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP006127.D 10 =BP006128.D 20 =BP006129.D 40 =BP006130.D 50 =BP006131.D 60 =BP006132.D 80 =BP006133.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.488	0.522	0.439	0.443	0.430	0.446	0.424	0.456	7.80
3) Pyridine	1.022	1.154	1.180	1.173	1.156	1.224	1.202	1.159	5.61
4) n-Nitrosodimet...	0.445	0.484	0.451	0.442	0.435	0.470	0.463	0.456	3.77
5) S 2-Fluorophenol	1.204	1.242	1.142	1.157	1.129	1.149	1.114	1.162	3.86
6) Aniline	1.610	1.679	1.702	1.601	1.562	1.620	1.581	1.622	3.12
7) S Phenol-d6	1.531	1.586	1.621	1.534	1.479	1.526	1.484	1.537	3.34
8) 2-Chlorophenol	1.368	1.448	1.440	1.355	1.308	1.329	1.281	1.361	4.66
9) Benzaldehyde	0.917	0.959	0.915	0.836	0.777	0.776	0.693	0.839	11.44
10) C Phenol	1.422	1.536	1.573	1.466	1.423	1.475	1.441	1.477	3.92
11) bis(2-Chloroet...	1.077	1.221	1.148	1.117	1.067	1.110	1.070	1.116	4.90
12) 1,3-Dichlorobe...	1.534	1.550	1.548	1.442	1.395	1.400	1.342	1.459	5.82
13) C 1,4-Dichlorobe...	1.594	1.577	1.585	1.483	1.409	1.416	1.364	1.490	6.45
14) 1,2-Dichlorobe...	1.449	1.523	1.509	1.417	1.370	1.355	1.306	1.418	5.70
15) Benzyl Alcohol	0.868	0.880	0.939	0.947	0.921	0.982	0.970	0.930	4.64
16) 2,2'-oxybis(1-...	1.406	1.431	1.384	1.281	1.221	1.300	1.254	1.325	6.16
17) 2-Methylphenol	0.929	1.047	1.063	1.014	0.987	1.011	0.980	1.005	4.44
18) Hexachloroethane	0.509	0.521	0.519	0.492	0.473	0.484	0.474	0.496	4.15
19) P n-Nitroso-di-n...	0.825	0.891	0.879	0.826	0.800	0.839	0.808	0.838	4.14
20) 3+4-Methylphenols	1.233	1.394	1.454	1.369	1.336	1.373	1.341	1.357	4.98
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.432	0.467	0.468	0.460	0.449	0.456	0.454	0.455	2.69
23) S Nitrobenzene-d5	0.296	0.320	0.327	0.319	0.311	0.323	0.321	0.317	3.27
24) Nitrobenzene	0.306	0.331	0.327	0.318	0.312	0.325	0.323	0.320	2.71
25) Isophorone	0.567	0.610	0.618	0.605	0.592	0.608	0.608	0.601	2.81
26) C 2-Nitrophenol	0.153	0.164	0.181	0.188	0.184	0.187	0.189	0.178	7.93
27) 2,4-Dimethylph...	0.236	0.256	0.271	0.273	0.266	0.269	0.268	0.263	4.90
28) bis(2-Chloroet...	0.310	0.338	0.344	0.338	0.328	0.340	0.334	0.333	3.39
29) C 2,4-Dichloroph...	0.245	0.277	0.304	0.301	0.301	0.294	0.298	0.289	7.32
30) 1,2,4-Trichlor...	0.290	0.309	0.324	0.317	0.310	0.301	0.300	0.307	3.69
31) Naphthalene	1.044	1.078	1.078	1.043	1.020	1.024	1.012	1.043	2.59
32) Benzoic acid		0.105	0.156	0.185	0.190	0.209	0.217	0.177	23.31
33) 4-Chloroaniline	0.352	0.393	0.416	0.420	0.411	0.414	0.412	0.402	5.95
34) C Hexachlorobuta...	0.161	0.166	0.182	0.177	0.173	0.163	0.163	0.169	4.77
35) Caprolactam	0.069	0.086	0.096	0.094	0.095	0.097	0.099	0.091	11.47
36) C 4-Chloro-3-met...	0.276	0.315	0.325	0.318	0.313	0.315	0.321	0.312	5.26
37) 2-Methylnaphth...	0.706	0.733	0.760	0.730	0.718	0.705	0.712	0.723	2.70
38) 1-Methylnaphth...	0.663	0.708	0.724	0.698	0.674	0.659	0.666	0.685	3.68

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.465	0.491	0.518	0.516	0.500	0.492	0.490	0.496	3.63
41) P	Hexachlorocycl...	0.013	0.041	0.078	0.088	0.107	0.127	0.076		55.65
42) S	2,4,6-Tribromo...	0.194	0.215	0.256	0.260	0.263	0.238	0.241	0.238	10.66
43) C	2,4,6-Trichlor...	0.318	0.335	0.371	0.374	0.370	0.373	0.372	0.359	6.32
44)	2,4,5-Trichlor...	0.323	0.366	0.403	0.401	0.401	0.404	0.398	0.385	7.87
45) S	2-Fluorobiphenyl	1.349	1.394	1.403	1.362	1.321	1.337	1.304	1.353	2.70
46)	1,1'-Biphenyl	1.486	1.549	1.539	1.504	1.454	1.511	1.468	1.502	2.33
47)	2-Chloronaphth...	1.111	1.180	1.188	1.164	1.133	1.165	1.145	1.155	2.36
48)	2-Nitroaniline	0.237	0.283	0.281	0.292	0.286	0.317	0.314	0.287	9.26
49)	Acenaphthylene	1.792	1.902	1.903	1.877	1.831	1.881	1.833	1.860	2.26
50)	Dimethylphthalate	1.430	1.464	1.481	1.447	1.415	1.430	1.400	1.438	1.95
51)	2,6-Dinitrotol...	0.297	0.317	0.331	0.331	0.327	0.334	0.332	0.324	4.08
52) C	Acenaphthene	1.124	1.171	1.161	1.122	1.105	1.125	1.112	1.131	2.22
53)	3-Nitroaniline	0.254	0.309	0.336	0.344	0.342	0.359	0.355	0.328	11.10
54) P	2,4-Dinitrophenol	0.062	0.104	0.141	0.150	0.162	0.175	0.132		31.76
55)	Dibenzofuran	1.754	1.793	1.836	1.769	1.716	1.750	1.711	1.761	2.48
56) P	4-Nitrophenol	0.119	0.183	0.216	0.227	0.248	0.258	0.209		24.42
57)	2,4-Dinitrotol...	0.358	0.419	0.451	0.457	0.452	0.464	0.457	0.437	8.60
58)	Fluorene	1.388	1.451	1.460	1.421	1.391	1.415	1.380	1.415	2.20
59)	2,3,4,6-Tetrac...	0.256	0.280	0.320	0.319	0.321	0.307	0.306	0.301	8.13
60)	Diethylphthalate	1.441	1.516	1.509	1.468	1.450	1.481	1.460	1.475	1.93
61)	4-Chlorophenyl...	0.586	0.633	0.649	0.636	0.621	0.614	0.603	0.620	3.43
62)	4-Nitroaniline	0.219	0.250	0.298	0.324	0.328	0.344	0.347	0.302	16.36
63)	Azobenzene	1.193	1.270	1.242	1.213	1.184	1.274	1.243	1.231	2.89
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.084	0.113	0.128	0.128	0.134	0.137	0.121		16.25
66) c	n-Nitrosodiphe...	0.610	0.667	0.672	0.660	0.649	0.657	0.645	0.651	3.14
67)	4-Bromophenyl-...	0.178	0.193	0.210	0.208	0.203	0.194	0.195	0.197	5.54
68)	Hexachlorobenzene	0.215	0.225	0.253	0.247	0.246	0.226	0.226	0.234	6.10
69)	Atrazine	0.189	0.203	0.214	0.210	0.209	0.206	0.201	0.204	3.85
70) C	Pentachlorophenol	0.079	0.101	0.114	0.119	0.115	0.120	0.108		14.76
71)	Phenanthrene	1.102	1.164	1.166	1.131	1.117	1.121	1.106	1.130	2.31
72)	Anthracene	1.033	1.128	1.146	1.120	1.105	1.113	1.100	1.107	3.22
73)	Carbazole	1.000	1.112	1.141	1.112	1.101	1.115	1.093	1.097	4.09
74)	Di-n-butylphth...	1.227	1.325	1.355	1.332	1.321	1.346	1.333	1.320	3.23
75) C	Fluoranthene	1.172	1.244	1.285	1.254	1.268	1.240	1.204	1.238	3.11
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.479	0.546	0.628	0.645	0.593	0.638	0.624	0.593	10.23
78)	Pyrene	1.338	1.361	1.371	1.363	1.320	1.370	1.340	1.352	1.42
79) S	Terphenyl-d14	0.988	1.014	1.057	1.051	1.007	1.006	0.978	1.014	2.92
80)	Butylbenzylpht...	0.650	0.680	0.663	0.666	0.647	0.698	0.689	0.671	2.88
81)	Benzo(a)anthra...	1.228	1.301	1.307	1.272	1.245	1.260	1.241	1.265	2.38
82)	3,3'-Dichlorob...	0.339	0.363	0.390	0.386	0.382	0.374	0.365	0.371	4.73
83)	Chrysene	1.249	1.290	1.290	1.254	1.221	1.235	1.213	1.250	2.46
84)	Bis(2-ethylhex...	0.990	1.020	0.978	0.966	0.948	1.025	1.002	0.990	2.84
85) c	Di-n-octyl pht...	1.747	1.836	1.723	1.692	1.654	1.792	1.759	1.743	3.49

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.378	1.464	1.531	1.512	1.486	1.477	1.474	1.475	3.28	
88)	Benzo(b)fluora...	1.118	1.196	1.231	1.268	1.238	1.211	1.231	1.213	3.93	
89)	Benzo(k)fluora...	1.135	1.253	1.226	1.174	1.151	1.205	1.157	1.186	3.67	
90) C	Benzo(a)pyrene	1.093	1.152	1.154	1.151	1.134	1.146	1.139	1.138	1.85	
91)	Dibenzo(a,h)an...	1.168	1.252	1.319	1.304	1.292	1.279	1.273	1.270	3.92	
92)	Benzo(g,h,i)pe...	1.192	1.261	1.298	1.266	1.255	1.239	1.237	1.250	2.61	

(#) = Out of Range