

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG103124.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Nov 01 05:13:40 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BG063129.D 5 =BG063130.D 10 =BG063131.D 20 =BG063132.D 40 =BG063133.D 50 =BG063134.D 60 =BG063135.D 80 =BG063136.D

Compound		2.5	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.658	0.524	0.523	0.515	0.466	0.492	0.370	0.507	16.90	
3)	Pyridine	1.469	1.308	1.341	1.269	1.141	1.079	0.957	1.223	14.24	
4)	n-Nitrosodimet...	0.737	0.793	0.729	0.841	0.785	0.797	0.636	0.760	8.76	
5) S	2-Fluorophenol	1.634	1.257	1.271	1.230	1.181	1.239	1.217	1.290	11.98	
6)	Aniline	1.622	1.650	1.627	1.532	1.398	1.460	1.351	1.520	7.88	
7) S	Phenol-d6	1.637	1.780	1.738	1.693	1.592	1.721	1.671	1.690	3.76	
8)	2-Chlorophenol	1.148	1.239	1.245	1.201	1.142	1.228	1.182	1.198	3.52	
9)	Benzaldehyde	1.253	1.189	1.159	1.063	0.918	0.933	0.837	1.050	15.00	
10) C	Phenol	1.832	1.886	1.854	1.786	1.712	1.806	1.800	1.811	3.06	
11)	bis(2-Chloroet...	1.271	1.267	1.266	1.207	1.134	1.225	1.179	1.221	4.27	
12)	1,3-Dichlorobe...	1.528	1.529	1.489	1.438	1.351	1.434	1.404	1.453	4.54	
13) C	1,4-Dichlorobe...	1.523	1.538	1.566	1.457	1.414	1.462	1.410	1.481	4.15	
14)	1,2-Dichlorobe...	1.531	1.510	1.415	1.404	1.356	1.411	1.368	1.428	4.71	
15)	Benzyl Alcohol	1.251	1.261	1.437	1.393	1.337	1.418	1.409	1.358	5.63	
16)	2,2'-oxybis(1-...	2.223	2.369	2.364	2.184	2.072	2.164	2.129	2.215	5.14	
17)	2-Methylphenol	1.251	1.122	1.196	1.130	1.085	1.152	1.126	1.152	4.78	
18)	Hexachloroethane	0.547	0.564	0.523	0.539	0.496	0.528	0.514	0.530	4.20	
19) P	n-Nitroso-di-n...	1.004	1.219	1.277	1.230	1.174	1.146	1.203	1.163	1.177	6.91
20)	3+4-Methylphenols	1.429	1.581	1.621	1.549	1.460	1.588	1.526	1.536	4.55	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.474	0.555	0.554	0.543	0.555	0.540	0.530	0.536	5.41	
23) S	Nitrobenzene-d5	0.478	0.460	0.457	0.452	0.464	0.457	0.450	0.460	2.03	
24)	Nitrobenzene	0.508	0.503	0.512	0.488	0.488	0.491	0.491	0.497	2.07	
25)	Isophorone	0.778	0.805	0.821	0.802	0.795	0.796	0.771	0.795	2.10	
26) C	2-Nitrophenol	0.191	0.178	0.176	0.180	0.192	0.183	0.180	0.183	3.61	
27)	2,4-Dimethylph...	0.218	0.227	0.230	0.221	0.227	0.230	0.221	0.225	2.22	
28)	bis(2-Chloroet...	0.432	0.417	0.423	0.414	0.418	0.411	0.403	0.417	2.18	
29) C	2,4-Dichloroph...	0.338	0.335	0.339	0.341	0.344	0.340	0.340	0.340	0.87	
30)	1,2,4-Trichlor...	0.421	0.403	0.430	0.418	0.419	0.421	0.412	0.418	1.94	
31)	Naphthalene	1.056	1.065	1.088	1.054	1.063	1.041	1.018	1.055	2.08	
32)	Benzoic acid	0.140	0.170	0.202	0.220	0.224	0.220	0.220	0.196	17.25	
33)	4-Chloroaniline	0.382	0.348	0.377	0.363	0.365	0.340	0.318	0.356	6.37	
34) C	Hexachlorobuta...	0.345	0.334	0.351	0.345	0.347	0.346	0.338	0.344	1.71	
35)	Caprolactam	0.108	0.115	0.109	0.111	0.107	0.104	0.106	0.108	3.16	
36) C	4-Chloro-3-met...	0.422	0.382	0.404	0.383	0.393	0.380	0.375	0.391	4.28	
37)	2-Methylnaphth...	0.802	0.779	0.757	0.722	0.732	0.731	0.716	0.748	4.30	
38)	1-Methylnaphth...	0.769	0.768	0.757	0.734	0.717	0.718	0.695	0.737	3.86	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.731	0.710	0.710	0.714	0.711	0.741	0.714	0.719	1.70	
41) P	Hexachlorocycl...	0.184	0.204	0.240	0.254	0.267	0.252	0.234	13.93		
42) S	2,4,6-Tribromo...	0.342	0.336	0.325	0.334	0.354	0.350	0.338	0.340	2.87	
43) C	2,4,6-Trichlor...	0.408	0.420	0.420	0.445	0.434	0.455	0.430	0.430	3.74	
44)	2,4,5-Trichlor...	0.420	0.464	0.492	0.486	0.493	0.486	0.470	0.473	5.47	
45) S	2-Fluorobiphenyl	1.422	1.369	1.397	1.350	1.327	1.346	1.242	1.350	4.26	
46)	1,1'-Biphenyl	1.437	1.357	1.388	1.342	1.315	1.378	1.285	1.357	3.69	
47)	2-Chloronaphth...	1.252	1.115	1.146	1.110	1.108	1.145	1.082	1.137	4.90	
48)	2-Nitroaniline	0.367	0.389	0.402	0.414	0.411	0.414	0.396	0.399	4.26	
49)	Acenaphthylene	1.670	1.660	1.620	1.570	1.586	1.599	1.529	1.605	3.11	
50)	Dimethylphthalate	1.497	1.463	1.449	1.383	1.416	1.434	1.335	1.425	3.76	
51)	2,6-Dinitrotol...	0.289	0.314	0.303	0.302	0.315	0.311	0.297	0.304	3.08	
52) C	Acenaphthene	1.088	1.005	0.977	0.976	0.970	0.996	0.942	0.994	4.67	
53)	3-Nitroaniline	0.307	0.311	0.285	0.293	0.294	0.271	0.262	0.289	6.15	
54) P	2,4-Dinitrophenol	0.127	0.166	0.191	0.217	0.211	0.204	0.186	18.37		
55)	Dibenzofuran	1.861	1.761	1.782	1.714	1.738	1.745	1.662	1.752	3.52	
56) P	4-Nitrophenol	0.180	0.215	0.219	0.222	0.240	0.230	0.226	0.219	8.63	
57)	2,4-Dinitrotol...	0.401	0.435	0.428	0.432	0.461	0.458	0.433	0.435	4.62	
58)	Fluorene	1.433	1.418	1.407	1.376	1.387	1.389	1.307	1.388	2.95	
59)	2,3,4,6-Tetrac...	0.421	0.464	0.431	0.452	0.466	0.480	0.463	0.454	4.60	
60)	Diethylphthalate	1.480	1.536	1.468	1.458	1.485	1.450	1.369	1.464	3.45	
61)	4-Chlorophenyl...	0.886	0.879	0.850	0.853	0.865	0.886	0.821	0.863	2.75	
62)	4-Nitroaniline	0.305	0.319	0.334	0.312	0.338	0.317	0.306	0.319	4.07	
63)	Azobenzene	1.568	1.527	1.539	1.493	1.529	1.519	1.422	1.514	3.05	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.112	0.116	0.130	0.128	0.136	0.139	0.138	0.129	8.21	
66) c	n-Nitrosodiphe...	0.535	0.483	0.522	0.482	0.478	0.506	0.486	0.499	4.50	
67)	4-Bromophenyl-...	0.247	0.237	0.239	0.240	0.234	0.261	0.257	0.245	4.18	
68)	Hexachlorobenzene	0.283	0.273	0.293	0.279	0.277	0.295	0.288	0.284	2.98	
69)	Atrazine	0.237	0.205	0.183	0.183	0.234	0.297	0.265	0.229	18.56	
70) C	Pentachlorophenol	0.096	0.119	0.136	0.149	0.159	0.168	0.161	0.141	18.31	
71)	Phenanthrene	1.033	0.979	0.997	0.937	0.956	0.968	0.917	0.970	3.98	
72)	Anthracene	1.003	0.951	0.976	0.934	0.938	0.958	0.902	0.952	3.43	
73)	Carbazole	1.013	0.897	0.916	0.850	0.889	0.877	0.829	0.896	6.64	
74)	Di-n-butylphth...	1.159	1.020	1.071	0.964	0.995	0.981	0.929	1.017	7.54	
75) C	Fluoranthene	1.669	1.380	1.496	1.275	1.315	1.275	1.197	1.372	11.78	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.446	0.384	0.261	0.194	0.294	0.269	0.308	29.60		
78)	Pyrene	1.148	1.289	1.187	1.220	1.172	1.179	1.104	1.186	4.87	
79) S	Terphenyl-d14	1.023	1.124	1.039	0.997	0.916	0.901	0.803	0.972	10.92	
80)	Butylbenzylpht...	0.379	0.378	0.387	0.386	0.376	0.385	0.383	0.382	1.15	
81)	Benzo(a)anthra...	1.392	1.277	1.271	1.261	1.209	1.228	1.178	1.259	5.44	
82)	3,3'-Dichlorob...	0.495	0.486	0.487	0.463	0.435	0.457	0.446	0.467	4.91	
83)	Chrysene	1.259	1.225	1.207	1.193	1.141	1.150	1.106	1.183	4.49	
84)	Bis(2-ethylhex...	0.577	0.541	0.558	0.557	0.538	0.560	0.547	0.554	2.42	
85) c	Di-n-octyl pht...	0.955	0.907	0.926	0.930	0.916	0.950	0.906	0.927	2.10	

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.360	1.310	1.325	1.330	1.354	1.359	1.358	1.342	1.51	
88)	Benzo(b)fluora...	1.208	1.161	1.145	1.148	1.138	1.200	1.161	1.166	2.35	
89)	Benzo(k)fluora...	1.144	1.084	1.152	1.120	1.118	1.105	1.065	1.112	2.78	
90) C	Benzo(a)pyrene	1.046	1.030	1.021	0.996	1.009	1.028	0.995	1.018	1.85	
91)	Dibenzo(a,h)an...	1.172	1.114	1.116	1.109	1.108	1.111	1.113	1.120	2.04	
92)	Benzo(g,h,i)pe...	1.146	1.105	1.097	1.090	1.106	1.107	1.102	1.108	1.64	

(#) = Out of Range