

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG122722.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Dec 28 05:20:14 2022
 Response Via : Initial Calibration

Calibration Files

2.5 =BG056126.D 5 =BG056127.D 10 =BG056128.D 20 =BG056129.D 40 =BG056130.D 50 =BG056131.D 60 =BG056132.D 80 =BG056133.D

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

1) I 1,4-Dichlorobenzen...	-----ISTD-----									
2) 1,4-Dioxane	0.534	0.553	0.535	0.538	0.502	0.477	0.442	0.512	7.80	
3) Pyridine	1.468	1.554	1.680	1.617	1.599	1.528	1.462	1.558	5.13	
4) n-Nitrosodimet...	0.311	0.311	0.330	0.335	0.331	0.301	0.300	0.317	4.70	
5) S 2-Fluorophenol	1.169	1.169	1.157	1.128	1.128	1.061	1.029	1.120	4.90	
6) Aniline	2.284	2.358	2.331	2.300	2.228	2.176	2.114	2.256	3.88	
7) S Phenol-d6	1.750	1.738	1.781	1.786	1.729	1.653	1.605	1.720	3.90	
8) 2-Chlorophenol	1.120	1.124	1.156	1.137	1.119	1.098	1.048	1.115	3.08	
9) Benzaldehyde	1.168	1.151	1.108	1.001	0.997	0.899	0.837	1.023	12.35	
10) C Phenol	1.756	1.808	1.805	1.796	1.756	1.682	1.608	1.745	4.25	
11) bis(2-Chloroet...	1.212	1.248	1.285	1.195	1.162	1.103	1.070	1.182	6.48	
12) 1,3-Dichlorobe...	1.421	1.485	1.384	1.355	1.353	1.278	1.220	1.357	6.48	
13) C 1,4-Dichlorobe...	1.411	1.428	1.394	1.383	1.362	1.302	1.256	1.362	4.54	
14) 1,2-Dichlorobe...	1.358	1.364	1.374	1.332	1.321	1.249	1.202	1.314	4.95	
15) Benzyl Alcohol	1.241	1.231	1.290	1.315	1.268	1.220	1.199	1.252	3.28	
16) 2,2'-oxybis(1-...	0.241	0.227	0.216	0.210	0.201	0.187	0.181	0.209	10.28	
17) 2-Methylphenol	1.283	1.274	1.327	1.330	1.275	1.247	1.225	1.280	3.01	
18) Hexachloroethane	0.446	0.427	0.430	0.418	0.420	0.386	0.371	0.414	6.36	
19) P n-Nitroso-di-n...	1.042	1.116	1.102	1.088	1.060	1.051	0.963	0.947	1.046	5.88
20) 3+4-Methylphenols	1.764	1.762	1.838	1.872	1.825	1.781	1.756	1.800	2.52	

21) I Naphthalene-d8	-----ISTD-----									
22) Acetophenone	0.571	0.584	0.572	0.567	0.564	0.557	0.543	0.566	2.28	
23) S Nitrobenzene-d5	0.405	0.387	0.401	0.389	0.386	0.391	0.378	0.391	2.38	
24) Nitrobenzene	0.408	0.387	0.390	0.383	0.387	0.381	0.376	0.387	2.58	
25) Isophorone	0.868	0.842	0.828	0.819	0.814	0.807	0.781	0.823	3.33	
26) C 2-Nitrophenol	0.198	0.193	0.195	0.198	0.200	0.202	0.202	0.198	1.72	
27) 2,4-Dimethylph...	0.352	0.381	0.372	0.359	0.356	0.358	0.353	0.362	2.99	
28) bis(2-Chloroet...	0.451	0.427	0.450	0.420	0.424	0.412	0.409	0.428	3.95	
29) C 2,4-Dichloroph...	0.381	0.385	0.397	0.411	0.413	0.414	0.398	0.400	3.39	
30) 1,2,4-Trichlor...	0.473	0.453	0.452	0.448	0.457	0.447	0.445	0.454	2.06	
31) Naphthalene	1.075	1.041	1.064	1.036	1.055	1.057	1.040	1.053	1.36	
32) Benzoic acid	0.226	0.235	0.284	0.279	0.288	0.291	0.276	0.268	9.91	
33) 4-Chloroaniline	0.519	0.490	0.501	0.502	0.501	0.505	0.500	0.503	1.71	
34) C Hexachlorobuta...	0.340	0.326	0.327	0.330	0.322	0.322	0.317	0.326	2.20	
35) Caprolactam	0.140	0.135	0.145	0.134	0.130	0.135	0.129	0.135	4.15	
36) C 4-Chloro-3-met...	0.404	0.384	0.417	0.402	0.413	0.417	0.401	0.406	2.86	
37) 2-Methylnaphth...	0.914	0.894	0.878	0.890	0.888	0.885	0.872	0.889	1.49	
38) 1-Methylnaphth...	0.825	0.824	0.844	0.817	0.828	0.829	0.810	0.825	1.29	

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.761	0.719	0.750	0.765	0.776	0.755	0.721	0.750	2.89	
41) P	Hexachlorocycl...	0.384	0.371	0.415	0.456	0.472	0.450	0.443	0.427	8.98	
42) S	2,4,6-Tribromo...	0.249	0.249	0.258	0.257	0.260	0.254	0.246	0.253	2.09	
43) C	2,4,6-Trichlor...	0.470	0.462	0.494	0.517	0.527	0.508	0.492	0.496	4.78	
44)	2,4,5-Trichlor...	0.579	0.570	0.578	0.597	0.616	0.590	0.573	0.586	2.76	
45) S	2-Fluorobiphenyl	1.505	1.433	1.451	1.469	1.486	1.430	1.365	1.448	3.18	
46)	1,1'-Biphenyl	1.455	1.398	1.448	1.457	1.463	1.426	1.380	1.432	2.26	
47)	2-Chloronaphth...	1.158	1.106	1.117	1.149	1.159	1.134	1.090	1.131	2.41	
48)	2-Nitroaniline	0.229	0.226	0.244	0.246	0.252	0.252	0.236	0.241	4.32	
49)	Acenaphthylene	1.888	1.808	1.841	1.872	1.893	1.827	1.749	1.840	2.78	
50)	Dimethylphthalate	1.665	1.624	1.674	1.624	1.627	1.581	1.506	1.615	3.52	
51)	2,6-Dinitrotol...	0.353	0.342	0.342	0.341	0.354	0.345	0.331	0.344	2.25	
52) C	Acenaphthene	1.216	1.126	1.202	1.223	1.243	1.208	1.157	1.197	3.40	
53)	3-Nitroaniline	0.336	0.308	0.329	0.334	0.339	0.331	0.315	0.327	3.54	
54) P	2,4-Dinitrophenol	0.209	0.229	0.249	0.261	0.262	0.260	0.251	0.246	8.00	
55)	Dibenzofuran	2.038	1.939	2.015	2.022	2.016	1.959	1.872	1.980	3.01	
56) P	4-Nitrophenol	0.251	0.240	0.256	0.261	0.252	0.256	0.246	0.252	2.73	
57)	2,4-Dinitrotol...	0.467	0.461	0.488	0.496	0.498	0.491	0.466	0.481	3.28	
58)	Fluorene	1.679	1.588	1.623	1.601	1.606	1.559	1.491	1.593	3.63	
59)	2,3,4,6-Tetrac...	0.535	0.531	0.569	0.559	0.569	0.561	0.528	0.551	3.33	
60)	Diethylphthalate	1.633	1.519	1.533	1.531	1.523	1.467	1.393	1.514	4.82	
61)	4-Chlorophenyl...	1.011	0.975	1.007	1.012	1.019	0.985	0.948	0.994	2.61	
62)	4-Nitroaniline	0.335	0.336	0.347	0.345	0.333	0.333	0.318	0.335	2.87	
63)	Azobenzene	1.227	1.199	1.207	1.169	1.177	1.128	1.072	1.168	4.54	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.124	0.120	0.135	0.141	0.141	0.142	0.139	0.135	6.60	
66) c	n-Nitrosodiphe...	0.559	0.545	0.556	0.560	0.568	0.553	0.543	0.555	1.54	
67)	4-Bromophenyl-...	0.258	0.248	0.254	0.258	0.261	0.253	0.252	0.255	1.78	
68)	Hexachlorobenzene	0.245	0.229	0.235	0.241	0.242	0.237	0.235	0.238	2.21	
69)	Atrazine	0.229	0.235	0.232	0.238	0.230	0.226	0.221	0.230	2.53	
70) C	Pentachlorophenol	0.161	0.169	0.181	0.190	0.193	0.195	0.190	0.183	7.14	
71)	Phenanthrene	1.069	1.039	1.044	1.049	1.039	1.024	0.991	1.036	2.33	
72)	Anthracene	1.126	1.064	1.088	1.081	1.067	1.047	1.011	1.069	3.32	
73)	Carbazole	0.955	0.902	0.905	0.913	0.887	0.881	0.849	0.899	3.63	
74)	Di-n-butylphth...	0.913	0.884	0.913	0.914	0.898	0.889	0.860	0.896	2.26	
75) C	Fluoranthene	1.422	1.370	1.385	1.373	1.331	1.319	1.265	1.352	3.82	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.731	0.700	0.698	0.732	0.698	0.690	0.656	0.701	3.67	
78)	Pyrene	1.497	1.431	1.424	1.404	1.419	1.365	1.329	1.410	3.76	
79) S	Terphenyl-d14	1.209	1.145	1.140	1.113	1.105	1.072	1.033	1.117	5.04	
80)	Butylbenzylphth...	0.406	0.388	0.401	0.409	0.418	0.409	0.401	0.404	2.31	
81)	Benzo(a)anthra...	1.449	1.398	1.401	1.416	1.424	1.392	1.354	1.405	2.10	
82)	3,3'-Dichlorob...	0.517	0.499	0.505	0.526	0.512	0.497	0.484	0.506	2.76	
83)	Chrysene	1.350	1.311	1.314	1.333	1.334	1.299	1.269	1.316	2.04	
84)	Bis(2-ethylhex...	0.608	0.567	0.565	0.590	0.601	0.578	0.570	0.583	2.96	
85) c	Di-n-octyl pht...	0.994	0.973	0.976	1.000	1.008	0.973	0.962	0.984	1.73	

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.482	1.429	1.447	1.484	1.447	1.479	1.414	1.455	1.90
88)	Benzo(b)fluora...	1.310	1.235	1.285	1.297	1.277	1.289	1.201	1.271	3.03
89)	Benzo(k)fluora...	1.300	1.284	1.245	1.283	1.284	1.244	1.218	1.265	2.36
90) C	Benzo(a)pyrene	1.277	1.233	1.230	1.261	1.258	1.226	1.191	1.239	2.30
91)	Dibenzo(a,h)an...	1.270	1.222	1.221	1.234	1.198	1.217	1.174	1.219	2.43
92)	Benzo(g,h,i)pe...	1.215	1.162	1.179	1.213	1.169	1.192	1.148	1.183	2.14

(#) = Out of Range