

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG073020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 30 18:43:49 2020
 Response Via : Initial Calibration

Calibration Files

5 =BG046109.D 10 =BG046110.D 20 =BG046111.D 40 =BG046112.D 50 =BG046113.D 60 =BG046114.D 80 =BG046115.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.486	0.533	0.562	0.536	0.532	0.514	0.503	0.524	4.79
3)	Pyridine	1.346	1.428	1.527	1.515	1.454	1.417	1.404	1.442	4.40
4)	n-Nitrosodimet...	0.558	0.597	0.644	0.655	0.609	0.621	0.612	0.614	5.21
5) S	2-Fluorophenol	1.106	1.154	1.225	1.206	1.148	1.126	1.088	1.151	4.36
6)	Aniline	1.829	1.918	1.941	1.921	1.874	1.815	1.768	1.866	3.46
7) S	Phenol-d6	1.526	1.629	1.658	1.630	1.574	1.505	1.455	1.568	4.83
8)	2-Chlorophenol	1.311	1.319	1.340	1.302	1.243	1.211	1.175	1.272	4.88
9)	Benzaldehyde	0.954	1.030	1.035	0.973	0.878	0.865	0.779	0.930	10.12
10) C	Phenol	1.586	1.651	1.654	1.610	1.561	1.502	1.463	1.575	4.59
11)	bis(2-Chloroet...	1.272	1.317	1.313	1.273	1.219	1.197	1.180	1.253	4.36
12)	1,3-Dichlorobe...	1.579	1.603	1.618	1.577	1.503	1.476	1.433	1.541	4.58
13) C	1,4-Dichlorobe...	1.608	1.633	1.633	1.579	1.500	1.460	1.421	1.548	5.59
14)	1,2-Dichlorobe...	1.537	1.558	1.540	1.481	1.404	1.366	1.333	1.460	6.28
15)	Benzyl Alcohol	0.965	1.045	1.105	1.136	1.113	1.112	1.105	1.083	5.45
16)	2,2'-oxybis(1-...	2.190	2.158	2.116	2.079	1.973	1.949	1.914	2.054	5.30
17)	2-Methylphenol	1.018	1.085	1.100	1.099	1.066	1.051	1.025	1.064	3.14
18)	Hexachloroethane	0.504	0.535	0.536	0.525	0.518	0.506	0.500	0.518	2.90
19) P	n-Nitroso-di-n...	1.005	1.062	1.052	1.045	1.017	0.991	0.971	1.020	3.32
20)	3+4-Methylphenols	1.340	1.480	1.513	1.508	1.479	1.445	1.425	1.456	4.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.499	0.510	0.533	0.531	0.510	0.509	0.501	0.513	2.64
23) S	Nitrobenzene-d5	0.344	0.366	0.380	0.382	0.374	0.372	0.368	0.369	3.44
24)	Nitrobenzene	0.369	0.391	0.399	0.406	0.402	0.394	0.396	0.394	3.05
25)	Isophorone	0.652	0.711	0.757	0.770	0.758	0.748	0.749	0.735	5.57
26) C	2-Nitrophenol	0.135	0.152	0.172	0.194	0.195	0.198	0.203	0.178	14.70
27)	2,4-Dimethylph...	0.266	0.277	0.295	0.303	0.301	0.295	0.296	0.290	4.72
28)	bis(2-Chloroet...	0.382	0.403	0.408	0.412	0.400	0.401	0.392	0.400	2.48
29) C	2,4-Dichloroph...	0.281	0.327	0.346	0.364	0.360	0.357	0.358	0.342	8.65
30)	1,2,4-Trichlor...	0.375	0.404	0.411	0.410	0.405	0.401	0.396	0.400	3.06
31)	Naphthalene	1.049	1.093	1.101	1.089	1.044	1.030	1.001	1.058	3.51
32)	Benzoic acid		0.074	0.133	0.191	0.214	0.217	0.242	0.178	35.46
33)	4-Chloroaniline	0.374	0.416	0.443	0.453	0.449	0.446	0.447	0.432	6.58
34) C	Hexachlorobuta...	0.251	0.265	0.274	0.276	0.268	0.266	0.265	0.266	3.00
35)	Caprolactam	0.083	0.103	0.109	0.121	0.120	0.124	0.124	0.112	13.50
36) C	4-Chloro-3-met...	0.285	0.316	0.332	0.355	0.352	0.353	0.354	0.335	7.93
37)	2-Methylnaphth...	0.809	0.830	0.840	0.836	0.812	0.795	0.779	0.814	2.77
38)	1-Methylnaphth...	0.772	0.797	0.784	0.792	0.760	0.751	0.738	0.771	2.85

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.712	0.718	0.757	0.737	0.709	0.709	0.702	0.721	2.71	
41) P	Hexachlorocycl...	0.369	0.386	0.419	0.436	0.422	0.431	0.429	0.413	6.20	
42) S	2,4,6-Tribromo...	0.259	0.300	0.309	0.323	0.316	0.323	0.320	0.307	7.41	
43) C	2,4,6-Trichlor...	0.367	0.425	0.468	0.492	0.488	0.493	0.487	0.460	10.35	
44)	2,4,5-Trichlor...	0.423	0.464	0.518	0.527	0.523	0.529	0.527	0.502	8.27	
45) S	2-Fluorobiphenyl	1.477	1.498	1.481	1.396	1.317	1.279	1.189	1.377	8.61	
46)	1,1'-Biphenyl	1.579	1.621	1.639	1.595	1.541	1.534	1.472	1.569	3.67	
47)	2-Chloronaphth...	1.254	1.289	1.301	1.270	1.236	1.221	1.189	1.251	3.13	
48)	2-Nitroaniline	0.242	0.296	0.320	0.350	0.355	0.367	0.366	0.328	13.98	
49)	Acenaphthylene	1.938	2.010	2.047	1.992	1.907	1.893	1.816	1.943	4.07	
50)	Dimethylphthalate	1.506	1.585	1.589	1.585	1.514	1.510	1.457	1.535	3.35	
51)	2,6-Dinitrotol...	0.306	0.344	0.358	0.372	0.370	0.377	0.373	0.357	7.10	
52) C	Acenaphthene	1.207	1.266	1.318	1.319	1.298	1.300	1.271	1.283	3.07	
53)	3-Nitroaniline	0.269	0.325	0.362	0.383	0.377	0.379	0.384	0.354	12.13	
54) P	2,4-Dinitrophenol		0.117	0.155	0.195	0.208	0.217	0.231	0.187	23.01	
55)	Dibenzofuran	1.998	2.046	2.023	1.966	1.883	1.857	1.773	1.935	5.17	
56) P	4-Nitrophenol		0.251	0.289	0.323	0.324	0.323	0.335	0.307	10.31	
57)	2,4-Dinitrotol...	0.392	0.454	0.495	0.525	0.521	0.528	0.523	0.491	10.39	
58)	Fluorene	1.588	1.672	1.627	1.600	1.526	1.513	1.444	1.567	4.93	
59)	2,3,4,6-Tetrac...	0.400	0.462	0.478	0.496	0.490	0.491	0.490	0.472	7.15	
60)	Diethylphthalate	1.467	1.571	1.545	1.550	1.497	1.490	1.451	1.510	3.01	
61)	4-Chlorophenyl...	0.817	0.851	0.835	0.833	0.812	0.804	0.778	0.819	2.92	
62)	4-Nitroaniline	0.277	0.337	0.357	0.378	0.376	0.384	0.385	0.356	10.91	
63)	Azobenzene	1.391	1.462	1.445	1.446	1.407	1.398	1.358	1.415	2.63	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.104	0.121	0.137	0.140	0.143	0.149	0.132	12.68	
66) c	n-Nitrosodiphe...	0.564	0.629	0.635	0.635	0.605	0.595	0.575	0.605	4.83	
67)	4-Bromophenyl-...	0.233	0.248	0.249	0.257	0.249	0.246	0.246	0.247	2.92	
68)	Hexachlorobenzene	0.270	0.283	0.283	0.287	0.275	0.272	0.270	0.277	2.53	
69)	Atrazine	0.213	0.231	0.239	0.248	0.236	0.235	0.231	0.233	4.58	
70) C	Pentachlorophenol		0.155	0.168	0.187	0.187	0.188	0.193	0.180	8.25	
71)	Phenanthrene	1.145	1.184	1.163	1.125	1.058	1.027	0.967	1.096	7.29	
72)	Anthracene	1.127	1.165	1.163	1.128	1.053	1.023	0.968	1.090	6.97	
73)	Carbazole	1.038	1.114	1.129	1.093	1.033	0.998	0.951	1.051	6.16	
74)	Di-n-butylphth...	1.066	1.160	1.188	1.162	1.094	1.045	0.974	1.098	6.96	
75) C	Fluoranthene	1.469	1.520	1.488	1.400	1.315	1.238	1.144	1.368	10.27	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.421	0.501	0.585	0.661	0.627	0.603	0.568	0.567	14.35	
78)	Pyrene	1.395	1.458	1.434	1.390	1.310	1.257	1.163	1.344	7.88	
79) S	Terphenyl-d14	1.092	1.106	1.052	0.952	0.869	0.821		0.982	12.21	
80)	Butylbenzylpht...	0.396	0.459	0.500	0.521	0.516	0.510	0.505	0.487	9.20	
81)	Benzo(a)anthra...	1.392	1.420	1.429	1.362	1.303	1.262	1.200	1.338	6.43	
82)	3,3'-Dichlorob...	0.479	0.533	0.576	0.592	0.584	0.571	0.555	0.556	7.09	
83)	Chrysene	1.383	1.398	1.382	1.333	1.276	1.245	1.160	1.311	6.71	
84)	Bis(2-ethylhex...	0.669	0.697	0.731	0.722	0.701	0.688	0.665	0.696	3.54	
85) c	Di-n-octyl pht...	1.026	1.122	1.204	1.257	1.244	1.219	1.177	1.178	6.87	

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86) I Perylene-d12

-----ISTD-----

87)	Indeno(1,2,3-c...	1.397	1.493	1.554	1.577	1.557	1.555	1.544	1.525	4.07
88)	Benzo(b)fluora...	1.317	1.365	1.408	1.368	1.348	1.309	1.266	1.340	3.48
89)	Benzo(k)fluora...	1.349	1.374	1.376	1.342	1.286	1.266	1.208	1.315	4.78
90) C	Benzo(a)pyrene	1.179	1.257	1.292	1.295	1.267	1.234	1.206	1.247	3.49
91)	Dibenzo(a,h)an...	1.186	1.277	1.315	1.320	1.294	1.282	1.252	1.275	3.60
92)	Benzo(g,h,i)pe...	1.204	1.276	1.316	1.337	1.305	1.297	1.280	1.288	3.28

(#) = Out of Range