

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG042319.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 24 05:35:33 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG040576.D 20 =BG040577.D 40 =BG040578.D 50 =BG040579.D 60 =BG040580.D 80 =BG040581.D 100 =BG040582.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.555	0.541	0.497	0.488	0.494	0.508	0.528	0.516	5.00
3)	Pyridine	1.503	1.494	1.514	1.534	1.563	1.420	1.442	1.496	3.36
4)	n-Nitrosodimet...	0.755	0.741	0.793	0.831	0.853	0.904	0.931	0.830	8.68
5) S	2-Fluorophenol	1.150	1.176	1.103	1.105	1.140	1.114	1.155	1.135	2.48
6)	Aniline	2.339	2.362	2.268	2.272	2.327	2.316	2.325	2.315	1.48
7) S	Phenol-d6	1.746	1.778	1.699	1.725	1.772	1.747	1.761	1.747	1.58
8)	2-Chlorophenol	1.390	1.459	1.364	1.342	1.382	1.374	1.386	1.385	2.62
9)	Benzaldehyde	1.447	1.317	1.027	0.964	0.938	0.806		1.083	22.70
10) C	Phenol	1.907	1.879	1.833	1.870	1.908	1.859	1.890	1.878	1.44
11)	bis(2-Chloroet...	1.415	1.442	1.373	1.377	1.414	1.396	1.439	1.408	1.95
12)	1,3-Dichlorobe...	1.527	1.548	1.473	1.492	1.507	1.509	1.529	1.512	1.66
13) C	1,4-Dichlorobe...	1.563	1.611	1.490	1.492	1.527	1.502	1.545	1.533	2.86
14)	1,2-Dichlorobe...	1.556	1.550	1.432	1.453	1.447	1.444	1.467	1.478	3.52
15)	Benzyl Alcohol	1.779	1.857	1.787	1.783	1.850	1.823	1.846	1.818	1.89
16)	2,2'-oxybis(1-...	2.875	2.910	2.727	2.725	2.820	2.769	2.799	2.804	2.52
17)	2-Methylphenol	1.291	1.413	1.287	1.296	1.350	1.317	1.347	1.329	3.39
18)	Hexachloroethane	0.645	0.671	0.607	0.613	0.615	0.616	0.634	0.629	3.65
19) P	n-Nitroso-di-n...	1.632	1.676	1.502	1.530	1.592	1.529	1.549	1.573	4.01
20)	3+4-Methylphenols	1.753	1.949	1.819	1.829	1.870	1.848	1.891	1.851	3.32
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.582	0.560	0.558	0.561	0.552	0.549	0.533	0.556	2.67
23) S	Nitrobenzene-d5	0.425	0.416	0.429	0.437	0.440	0.444	0.438	0.433	2.30
24)	Nitrobenzene	0.456	0.458	0.451	0.467	0.465	0.470	0.467	0.462	1.52
25)	Isophorone	1.053	0.992	0.953	0.958	0.945	0.944	0.905	0.964	4.84
26) C	2-Nitrophenol	0.153	0.147	0.163	0.168	0.169	0.182	0.178	0.166	7.64
27)	2,4-Dimethylph...	0.323	0.316	0.306	0.314	0.303	0.309	0.304	0.311	2.32
28)	bis(2-Chloroet...	0.538	0.493	0.484	0.476	0.466	0.473	0.456	0.484	5.49
29) C	2,4-Dichloroph...	0.352	0.353	0.356	0.362	0.351	0.354	0.344	0.353	1.50
30)	1,2,4-Trichlor...	0.412	0.400	0.390	0.387	0.385	0.388	0.378	0.392	2.81
31)	Naphthalene	1.137	1.074	1.069	1.068	1.044	1.035	1.011	1.063	3.76
32)	Benzoic acid	0.180	0.184	0.205	0.216	0.212	0.244	0.247	0.213	12.31
33)	4-Chloroaniline	0.519	0.480	0.461	0.467	0.461	0.459	0.450	0.471	4.87
34) C	Hexachlorobuta...	0.289	0.289	0.287	0.290	0.287	0.292	0.290	0.289	0.67
35)	Caprolactam	0.154	0.138	0.140	0.141	0.137	0.134	0.132	0.139	5.07
36) C	4-Chloro-3-met...	0.469	0.462	0.430	0.448	0.438	0.444	0.427	0.445	3.46
37)	2-Methylnaphth...	0.846	0.815	0.797	0.788	0.785	0.776	0.753	0.794	3.73
38)	1-Methylnaphth...	0.832	0.788	0.772	0.781	0.768	0.759	0.736	0.777	3.81

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.750	0.729	0.745	0.759	0.761	0.736	0.734	0.745	1.68	
41) P	Hexachlorocycl...	0.429	0.423	0.436	0.450	0.446	0.448	0.445	0.440	2.40	
42) S	2,4,6-Tribromo...	0.257	0.267	0.270	0.278	0.284	0.282	0.286	0.275	3.93	
43) C	2,4,6-Trichlor...	0.457	0.453	0.438	0.458	0.458	0.444	0.444	0.450	1.83	
44)	2,4,5-Trichlor...	0.510	0.478	0.482	0.499	0.499	0.483	0.481	0.490	2.48	
45) S	2-Fluorobiphenyl	1.499	1.441	1.392	1.391	1.387	1.311	1.273	1.385	5.45	
46)	1,1'-Biphenyl	1.623	1.578	1.550	1.559	1.569	1.504	1.486	1.553	2.97	
47)	2-Chloronaphth...	1.277	1.229	1.206	1.218	1.228	1.175	1.174	1.215	2.92	
48)	2-Nitroaniline	0.365	0.386	0.420	0.444	0.475	0.465	0.474	0.433	10.14	
49)	Acenaphthylene	2.220	2.127	2.076	2.062	2.060	1.970	1.917	2.062	4.81	
50)	Dimethylphthalate	1.823	1.714	1.678	1.670	1.676	1.585	1.567	1.673	5.08	
51)	2,6-Dinitrotol...	0.286	0.304	0.324	0.334	0.347	0.346	0.346	0.327	7.26	
52) C	Acenaphthene	1.296	1.247	1.168	1.196	1.204	1.153	1.140	1.201	4.60	
53)	3-Nitroaniline	0.290	0.324	0.332	0.343	0.358	0.347	0.348	0.335	6.74	
54) P	2,4-Dinitrophenol	0.118	0.141	0.154	0.160	0.176	0.185	0.193	0.161	16.15	
55)	Dibenzofuran	2.132	2.027	1.935	1.959	1.990	1.879	1.844	1.967	4.88	
56) P	4-Nitrophenol	0.257	0.282	0.281	0.299	0.308	0.300	0.303	0.290	6.19	
57)	2,4-Dinitrotol...	0.373	0.389	0.434	0.457	0.482	0.482	0.489	0.444	10.56	
58)	Fluorene	1.725	1.647	1.577	1.580	1.594	1.513	1.491	1.590	4.97	
59)	2,3,4,6-Tetrac...	0.501	0.483	0.493	0.498	0.503	0.492	0.486	0.494	1.52	
60)	Diethylphthalate	1.929	1.850	1.755	1.759	1.760	1.673	1.633	1.766	5.67	
61)	4-Chlorophenyl...	1.000	0.930	0.915	0.910	0.925	0.902	0.889	0.925	3.87	
62)	4-Nitroaniline	0.357	0.364	0.370	0.380	0.393	0.377	0.380	0.374	3.21	
63)	Azobenzene	1.969	1.873	1.811	1.811	1.827	1.734	1.702	1.818	4.85	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.070	0.078	0.086	0.094	0.101	0.105	0.110	0.092	16.01	
66) c	n-Nitrosodipe...	0.616	0.613	0.581	0.584	0.591	0.568	0.566	0.588	3.35	
67)	4-Bromophenyl-...	0.251	0.248	0.244	0.249	0.255	0.245	0.251	0.249	1.51	
68)	Hexachlorobenzene	0.263	0.264	0.251	0.256	0.258	0.256	0.255	0.258	1.77	
69)	Atrazine	0.278	0.252	0.237	0.226	0.221	0.186		0.233	13.24	
70) C	Pentachlorophenol	0.138	0.152	0.150	0.152	0.161	0.152	0.150	0.151	4.42	
71)	Phenanthrene	1.190	1.137	1.074	1.071	1.067	1.013	0.989	1.077	6.39	
72)	Anthracene	1.189	1.149	1.085	1.073	1.076	1.015	0.993	1.083	6.36	
73)	Carbazole	1.088	1.068	0.987	0.975	0.976	0.917	0.894	0.987	7.22	
74)	Di-n-butylphth...	1.399	1.310	1.186	1.170	1.164	1.066	1.041	1.191	10.68	
75) C	Fluoranthene	1.559	1.471	1.338	1.326	1.320	1.207	1.175	1.342	10.12	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.735	0.721	0.580	0.568	0.412	0.413	0.404	0.548	26.26	
78)	Pyrene	1.358	1.333	1.280	1.259	1.234	1.181	1.130	1.254	6.42	
79) S	Terphenyl-d14	1.037	1.004	0.926	0.909	0.879	0.811	0.753	0.903	11.10	
80)	Butylbenzylphth...	0.505	0.493	0.490	0.491	0.486	0.486	0.468	0.489	2.29	
81)	Benzo(a)anthra...	1.377	1.333	1.276	1.261	1.245	1.198	1.159	1.264	5.91	
82)	3,3'-Dichlorob...	0.487	0.481	0.460	0.458	0.437	0.423	0.407	0.451	6.53	
83)	Chrysene	1.287	1.258	1.218	1.210	1.187	1.150	1.105	1.202	5.15	
84)	Bis(2-ethylhex...	0.756	0.739	0.710	0.704	0.698	0.675	0.653	0.705	4.99	
85) c	Di-n-octyl pht...	1.248	1.231	1.196	1.203	1.175	1.147	1.112	1.188	3.97	
86)	Indeno(1,2,3-c...	1.456	1.441	1.451	1.472	1.449	1.460	1.445	1.453	0.72	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.293	1.261	1.227	1.231	1.210	1.162	1.171	1.222	3.80
89)	Benzo(k)fluora...	1.208	1.170	1.142	1.134	1.143	1.112	1.080	1.141	3.56
90) C	Benzo(a)pyrene	1.218	1.177	1.166	1.164	1.154	1.109	1.110	1.157	3.31
91)	Dibenzo(a,h)an...	1.225	1.179	1.179	1.173	1.166	1.131	1.142	1.171	2.59
92)	Benzo(g,h,i)pe...	1.208	1.182	1.174	1.153	1.167	1.133	1.138	1.165	2.25

(#) = Out of Range