

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG031020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Mar 10 16:27:39 2020
 Response Via : Initial Calibration

Calibration Files

10 =BG044709.D 20 =BG044710.D 40 =BG044711.D 50 =BG044712.D 60 =BG044713.D 80 =BG044714.D 100 =BG044715.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.661	0.622	0.618	0.645	0.625	0.593	0.567	0.619	5.07
3)	Pyridine	1.882	1.849	1.852	1.949	1.751	1.802	1.735	1.832	4.10
4)	n-Nitrosodimet...	0.636	0.659	0.710	0.726	0.738	0.713	0.682	0.695	5.35
5) S	2-Fluorophenol	1.377	1.325	1.275	1.331	1.299	1.223	1.164	1.285	5.60
6)	Aniline	2.524	2.369	2.308	2.391	2.344	2.220	2.103	2.323	5.75
7) S	Phenol-d6	2.072	1.945	1.831	1.923	1.867	1.766	1.662	1.867	7.08
8)	2-Chlorophenol	1.439	1.285	1.242	1.309	1.286	1.237	1.181	1.283	6.30
9)	Benzaldehyde	1.520	1.347	1.114	1.100	0.972	0.848	0.724	1.089	25.35
10) C	Phenol	2.046	1.928	1.794	1.891	1.836	1.767	1.674	1.848	6.53
11)	bis(2-Chloroet...	1.704	1.487	1.438	1.503	1.472	1.386	1.333	1.475	7.98
12)	1,3-Dichlorobe...	1.787	1.615	1.540	1.613	1.564	1.496	1.444	1.580	6.95
13) C	1,4-Dichlorobe...	1.748	1.617	1.525	1.598	1.552	1.475	1.419	1.562	6.82
14)	1,2-Dichlorobe...	1.702	1.533	1.441	1.502	1.471	1.396	1.325	1.481	8.04
15)	Benzyl Alcohol	1.577	1.475	1.487	1.574	1.529	1.453	1.389	1.498	4.51
16)	2,2'-oxybis(1-...	2.927	2.711	2.578	2.637	2.594	2.450	2.324	2.603	7.36
17)	2-Methylphenol	1.366	1.251	1.232	1.309	1.252	1.193	1.160	1.252	5.50
18)	Hexachloroethane	0.667	0.620	0.606	0.625	0.612	0.599	0.577	0.615	4.50
19) P	n-Nitroso-di-n...	1.466	1.345	1.324	1.349	1.317	1.243	1.183	1.318	6.73
20)	3+4-Methylphenols	1.824	1.746	1.738	1.758	1.758	1.651	1.605	1.726	4.26
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.631	0.562	0.539	0.569	0.573	0.555	0.537	0.567	5.61
23) S	Nitrobenzene-d5	0.461	0.445	0.438	0.468	0.471	0.461	0.446	0.456	2.77
24)	Nitrobenzene	0.472	0.458	0.452	0.487	0.485	0.486	0.470	0.473	2.96
25)	Isophorone	0.953	0.883	0.852	0.920	0.903	0.875	0.840	0.890	4.41
26) C	2-Nitrophenol	0.120	0.126	0.148	0.165	0.172	0.173	0.176	0.154	15.14
27)	2,4-Dimethylph...	0.305	0.280	0.275	0.296	0.297	0.293	0.282	0.290	3.79
28)	bis(2-Chloroet...	0.591	0.526	0.513	0.542	0.538	0.515	0.491	0.531	5.92
29) C	2,4-Dichloroph...	0.336	0.323	0.329	0.358	0.349	0.343	0.331	0.338	3.65
30)	1,2,4-Trichlor...	0.438	0.399	0.381	0.411	0.412	0.401	0.390	0.405	4.55
31)	Naphthalene	1.254	1.114	1.059	1.123	1.111	1.073	1.022	1.108	6.67
32)	Benzoic acid	0.121	0.130	0.183	0.221	0.239	0.257	0.255	0.201	28.55
33)	4-Chloroaniline	0.554	0.501	0.473	0.505	0.498	0.491	0.473	0.499	5.47
34) C	Hexachlorobuta...	0.282	0.256	0.255	0.269	0.273	0.267	0.261	0.266	3.61
35)	Caprolactam	0.122	0.115	0.128	0.131	0.137	0.134	0.130	0.128	5.91
36) C	4-Chloro-3-met...	0.415	0.389	0.393	0.419	0.417	0.402	0.389	0.404	3.30
37)	2-Methylnaphth...	0.928	0.824	0.805	0.845	0.829	0.803	0.767	0.829	6.05
38)	1-Methylnaphth...	0.874	0.781	0.755	0.791	0.777	0.755	0.721	0.779	6.10

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.720	0.665	0.622	0.672	0.650	0.647	0.634	0.659	4.87	
41) P	Hexachlorocycl...	0.346	0.323	0.336	0.376	0.370	0.386	0.383	0.360	6.92	
42) S	2,4,6-Tribromo...	0.265	0.247	0.249	0.272	0.268	0.265	0.267	0.262	3.74	
43) C	2,4,6-Trichlor...	0.412	0.421	0.416	0.465	0.454	0.447	0.445	0.437	4.70	
44)	2,4,5-Trichlor...	0.459	0.433	0.424	0.482	0.462	0.462	0.452	0.453	4.25	
45) S	2-Fluorobiphenyl	1.652	1.496	1.345	1.435	1.356	1.289	1.203	1.397	10.54	
46)	1,1'-Biphenyl	1.801	1.645	1.524	1.632	1.577	1.532	1.476	1.598	6.75	
47)	2-Chloronaphth...	1.349	1.232	1.155	1.264	1.208	1.191	1.147	1.221	5.71	
48)	2-Nitroaniline	0.358	0.385	0.405	0.458	0.458	0.466	0.463	0.427	10.37	
49)	Acenaphthylene	2.174	1.983	1.821	1.978	1.862	1.831	1.741	1.913	7.54	
50)	Dimethylphthalate	1.782	1.659	1.514	1.638	1.563	1.523	1.470	1.593	6.73	
51)	2,6-Dinitrotol...	0.299	0.288	0.311	0.337	0.333	0.341	0.340	0.321	6.80	
52) C	Acenaphthene	1.344	1.252	1.172	1.298	1.249	1.240	1.214	1.253	4.46	
53)	3-Nitroaniline	0.347	0.343	0.362	0.390	0.383	0.380	0.379	0.369	5.04	
54) P	2,4-Dinitrophenol	0.107	0.112	0.130	0.150	0.154	0.171	0.176	0.143	19.11	
55)	Dibenzofuran	2.091	1.890	1.731	1.855	1.762	1.734	1.654	1.817	7.98	
56) P	4-Nitrophenol	0.254	0.250	0.269	0.307	0.292	0.302	0.298	0.282	8.43	
57)	2,4-Dinitrotol...	0.378	0.391	0.426	0.474	0.462	0.476	0.475	0.440	9.55	
58)	Fluorene	1.739	1.551	1.414	1.518	1.464	1.416	1.359	1.494	8.43	
59)	2,3,4,6-Tetrac...	0.409	0.392	0.403	0.447	0.419	0.429	0.423	0.417	4.37	
60)	Diethylphthalate	1.840	1.702	1.592	1.716	1.630	1.604	1.546	1.661	5.97	
61)	4-Chlorophenyl...	0.896	0.820	0.755	0.823	0.791	0.784	0.763	0.805	5.93	
62)	4-Nitroaniline	0.393	0.389	0.377	0.411	0.394	0.402	0.390	0.394	2.70	
63)	Azobenzene	1.996	1.780	1.641	1.773	1.670	1.650	1.567	1.725	8.17	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.062	0.067	0.079	0.094	0.097	0.102	0.105	0.087	19.89	
66) c	n-Nitrosodipe...	0.661	0.616	0.575	0.618	0.602	0.585	0.559	0.602	5.62	
67)	4-Bromophenyl-...	0.272	0.249	0.233	0.256	0.250	0.250	0.239	0.250	4.95	
68)	Hexachlorobenzene	0.292	0.268	0.253	0.280	0.276	0.269	0.261	0.271	4.69	
69)	Atrazine	0.257	0.233	0.220	0.232	0.220	0.202	0.181	0.221	11.07	
70) C	Pentachlorophenol	0.128	0.135	0.146	0.160	0.161	0.160	0.155	0.149	8.94	
71)	Phenanthrene	1.214	1.120	1.020	1.102	1.067	1.019	0.939	1.069	8.22	
72)	Anthracene	1.209	1.108	1.010	1.084	1.043	0.997	0.926	1.054	8.61	
73)	Carbazole	1.167	1.057	0.969	1.039	1.009	0.961	0.885	1.012	8.78	
74)	Di-n-butylphth...	1.419	1.300	1.205	1.273	1.216	1.158	1.043	1.231	9.59	
75) C	Fluoranthene	1.503	1.366	1.228	1.300	1.251	1.179	1.081	1.273	10.67	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.717	0.691	0.699	0.623	0.622	0.639	0.554	0.649	8.75	
78)	Pyrene	1.699	1.547	1.424	1.522	1.433	1.381	1.265	1.467	9.41	
79) S	Terphenyl-d14	1.301	1.163	1.011	1.049	0.980	0.912		1.069	13.16	
80)	Butylbenzylphth...	0.629	0.609	0.640	0.692	0.683	0.682	0.634	0.653	4.98	
81)	Benzo(a)anthra...	1.633	1.479	1.390	1.485	1.417	1.388	1.290	1.440	7.46	
82)	3,3'-Dichlorob...	0.587	0.541	0.551	0.587	0.561	0.559	0.515	0.557	4.56	
83)	Chrysene	1.581	1.414	1.325	1.417	1.363	1.319	1.211	1.376	8.32	
84)	Bis(2-ethylhex...	0.935	0.910	0.873	0.945	0.916	0.897	0.829	0.901	4.40	
85) c	Di-n-octyl pht...	1.517	1.481	1.482	1.608	1.551	1.517	1.396	1.508	4.38	
86)	Indeno(1,2,3-c...	1.850	1.733	1.720	1.868	1.835	1.856	1.763	1.804	3.48	

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		-----ISTD-----									
87)	I	Perylene-d12									
88)		Benzo(b)fluora...	1.464	1.305	1.264	1.353	1.332	1.298	1.227	1.320	5.74
89)		Benzo(k)fluora...	1.388	1.290	1.162	1.276	1.275	1.195	1.161	1.250	6.59
90)	C	Benzo(a)pyrene	1.332	1.224	1.161	1.278	1.257	1.220	1.176	1.235	4.79
91)		Dibenzo(a,h)an...	1.316	1.199	1.148	1.237	1.254	1.207	1.171	1.219	4.60
92)		Benzo(g,h,i)pe...	1.298	1.212	1.156	1.255	1.268	1.230	1.201	1.231	3.83

(#) = Out of Range