

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG072719.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jul 29 12:47:21 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG041775.D 20 =BG041776.D 40 =BG041777.D 50 =BG041778.D 60 =BG041779.D 80 =BG041780.D 100 =BG041781.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.524	0.479	0.481	0.478	0.489	0.458	0.478	0.484	4.11
3)	Pyridine	1.326	1.327	1.354	1.313	1.375	1.315	1.278	1.327	2.33
4)	n-Nitrosodimet...	0.470	0.529	0.523	0.523	0.553	0.538	0.545	0.526	5.12
5) S	2-Fluorophenol	1.011	1.040	1.031	1.023	1.064	1.015	1.011	1.028	1.85
6)	Aniline	1.967	2.000	1.978	1.941	1.950	1.949	1.875	1.951	2.01
7) S	Phenol-d6	1.352	1.412	1.409	1.394	1.412	1.381	1.341	1.386	2.11
8)	2-Chlorophenol	1.123	1.181	1.180	1.181	1.217	1.186	1.172	1.177	2.36
9)	Benzaldehyde	1.057	1.023	1.006	0.973	0.975	0.929	0.863	0.975	6.55
10) C	Phenol	1.425	1.464	1.451	1.448	1.462	1.434	1.408	1.442	1.42
11)	bis(2-Chloroet...	1.211	1.219	1.197	1.166	1.188	1.165	1.151	1.185	2.15
12)	1,3-Dichlorobe...	1.616	1.573	1.530	1.495	1.549	1.507	1.484	1.536	3.05
13) C	1,4-Dichlorobe...	1.582	1.583	1.526	1.520	1.555	1.503	1.492	1.537	2.39
14)	1,2-Dichlorobe...	1.539	1.516	1.465	1.438	1.462	1.431	1.417	1.467	3.08
15)	Benzyl Alcohol	0.997	1.066	1.110	1.093	1.136	1.129	1.100	1.090	4.33
16)	2,2'-oxybis(1-...	2.224	2.145	2.137	2.070	2.094	2.067	2.023	2.109	3.14
17)	2-Methylphenol	1.014	1.060	1.054	1.047	1.065	1.057	1.043	1.049	1.64
18)	Hexachloroethane	0.512	0.527	0.511	0.517	0.543	0.534	0.540	0.526	2.51
19) P	n-Nitroso-di-n...	1.010	1.012	1.019	0.995	1.008	1.018	0.980	1.006	1.39
20)	3+4-Methylphenols	1.337	1.427	1.463	1.441	1.470	1.475	1.431	1.435	3.29
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.469	0.462	0.448	0.433	0.446	0.440	0.434	0.447	3.02
23) S	Nitrobenzene-d5	0.255	0.284	0.293	0.292	0.304	0.302	0.304	0.291	5.95
24)	Nitrobenzene	0.274	0.303	0.306	0.303	0.321	0.314	0.321	0.306	5.24
25)	Isophorone	0.659	0.650	0.633	0.614	0.634	0.622	0.612	0.632	2.78
26) C	2-Nitrophenol	0.107	0.124	0.138	0.144	0.155	0.160	0.166	0.142	14.69
27)	2,4-Dimethylph...	0.231	0.252	0.254	0.251	0.259	0.255	0.254	0.251	3.65
28)	bis(2-Chloroet...	0.418	0.409	0.401	0.385	0.393	0.384	0.375	0.395	3.79
29) C	2,4-Dichloroph...	0.271	0.297	0.307	0.307	0.319	0.319	0.318	0.305	5.67
30)	1,2,4-Trichlor...	0.393	0.397	0.386	0.377	0.390	0.384	0.384	0.387	1.69
31)	Naphthalene	0.977	0.966	0.924	0.890	0.906	0.888	0.857	0.915	4.75
32)	Benzoic acid	0.092	0.122	0.154	0.169	0.188	0.202		0.155	26.76
33)	4-Chloroaniline	0.443	0.444	0.442	0.425	0.432	0.433	0.421	0.434	2.07
34) C	Hexachlorobuta...	0.263	0.265	0.259	0.255	0.263	0.258	0.266	0.261	1.54
35)	Caprolactam	0.095	0.100	0.108	0.106	0.109	0.116	0.109	0.106	6.31
36) C	4-Chloro-3-met...	0.277	0.303	0.311	0.298	0.311	0.317	0.303	0.303	4.35
37)	2-Methylnaphth...	0.763	0.764	0.734	0.706	0.714	0.707	0.684	0.725	4.18
38)	1-Methylnaphth...	0.729	0.729	0.692	0.662	0.680	0.670	0.644	0.687	4.73

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.653	0.656	0.636	0.616	0.649	0.605	0.616	0.633	3.25	
41) P	Hexachlorocycl...	0.285	0.332	0.356	0.355	0.393	0.373	0.397	0.356	10.83	
42) S	2,4,6-Tribromo...	0.197	0.216	0.227	0.224	0.243	0.245	0.238	0.227	7.52	
43) C	2,4,6-Trichlor...	0.340	0.382	0.405	0.404	0.431	0.414	0.425	0.400	7.76	
44)	2,4,5-Trichlor...	0.375	0.401	0.416	0.410	0.444	0.431	0.435	0.416	5.66	
45) S	2-Fluorobiphenyl	1.326	1.272	1.165	1.088	1.121	1.002	0.963	1.134	11.70	
46)	1,1'-Biphenyl	1.407	1.366	1.305	1.237	1.300	1.196	1.187	1.286	6.51	
47)	2-Chloronaphth...	1.170	1.147	1.099	1.056	1.118	1.040	1.033	1.095	4.90	
48)	2-Nitroaniline	0.216	0.249	0.277	0.280	0.306	0.304	0.311	0.278	12.51	
49)	Acenaphthylene	1.798	1.771	1.661	1.571	1.648	1.533	1.481	1.637	7.23	
50)	Dimethylphthalate	1.445	1.449	1.391	1.323	1.385	1.310	1.258	1.366	5.24	
51)	2,6-Dinitrotol...	0.236	0.262	0.285	0.286	0.311	0.308	0.310	0.286	9.88	
52) C	Acenaphthene	1.117	1.105	1.065	1.029	1.084	1.032	1.022	1.065	3.61	
53)	3-Nitroaniline	0.255	0.291	0.306	0.307	0.331	0.327	0.323	0.306	8.68	
54) P	2,4-Dinitrophenol	0.092	0.113	0.135	0.143	0.164	0.172		0.136	22.18	
55)	Dibenzofuran	1.857	1.769	1.654	1.558	1.616	1.507	1.440	1.629	8.97	
56) P	4-Nitrophenol	0.181	0.215	0.230	0.232	0.256	0.254	0.255	0.232	11.70	
57)	2,4-Dinitrotol...	0.308	0.357	0.390	0.397	0.432	0.434	0.431	0.393	11.93	
58)	Fluorene	1.479	1.397	1.322	1.250	1.299	1.227	1.176	1.307	7.96	
59)	2,3,4,6-Tetrac...	0.361	0.403	0.413	0.406	0.438	0.431	0.431	0.412	6.34	
60)	Diethylphthalate	1.393	1.418	1.361	1.297	1.360	1.307	1.251	1.341	4.38	
61)	4-Chlorophenyl...	0.876	0.842	0.798	0.765	0.803	0.758	0.744	0.798	5.96	
62)	4-Nitroaniline	0.301	0.321	0.335	0.324	0.348	0.344	0.343	0.331	5.00	
63)	Azobenzene	1.212	1.154	1.103	1.045	1.096	1.046	1.011	1.095	6.36	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.062	0.074	0.087	0.094	0.103	0.107		0.088	19.82	
66) c	n-Nitrosodiphe...	0.591	0.584	0.547	0.528	0.548	0.514	0.501	0.545	6.17	
67)	4-Bromophenyl-...	0.248	0.255	0.247	0.241	0.251	0.241	0.241	0.246	2.30	
68)	Hexachlorobenzene	0.266	0.267	0.256	0.253	0.261	0.252	0.248	0.258	2.81	
69)	Atrazine	0.214	0.221	0.216	0.213	0.218	0.210	0.206	0.214	2.33	
70) C	Pentachlorophenol	0.110	0.132	0.146	0.152	0.161	0.161	0.163	0.146	13.35	
71)	Phenanthrene	1.109	1.065	0.978	0.929	0.944	0.868	0.817	0.959	10.75	
72)	Anthracene	1.090	1.066	0.972	0.932	0.947	0.868	0.817	0.956	10.29	
73)	Carbazole	0.969	0.950	0.872	0.837	0.845	0.786	0.749	0.858	9.33	
74)	Di-n-butylphth...	1.040	1.071	1.007	0.976	0.983	0.896	0.838	0.973	8.36	
75) C	Fluoranthene	1.417	1.338	1.189	1.129	1.127	1.017	0.940	1.165	14.42	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.692	0.724	0.693	0.646	0.658	0.602	0.555	0.653	8.95	
78)	Pyrene	1.383	1.351	1.238	1.155	1.146	1.052	0.969	1.185	12.71	
79) S	Terphenyl-d14	1.040	0.976	0.844	0.767	0.744			0.874	14.84	
80)	Butylbenzylphth...	0.409	0.453	0.466	0.466	0.481	0.459	0.446	0.454	5.04	
81)	Benzo(a)anthra...	1.362	1.308	1.216	1.151	1.164	1.066	1.016	1.183	10.45	
82)	3,3'-Dichlorob...	0.485	0.495	0.490	0.471	0.485	0.460	0.439	0.475	4.18	
83)	Chrysene	1.312	1.263	1.166	1.101	1.107	1.022	0.969	1.134	10.84	
84)	Bis(2-ethylhex...	0.617	0.647	0.649	0.631	0.645	0.614	0.583	0.627	3.80	
85) c	Di-n-octyl pht...	1.004	1.072	1.092	1.068	1.102	1.045	1.001	1.055	3.81	
86)	Indeno(1,2,3-c...	1.508	1.517	1.505	1.473	1.533	1.499	1.476	1.502	1.42	

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.171	1.181	1.112	1.066	1.089	1.051	0.989	1.094		6.19
89)	Benzo(k)fluora...	1.183	1.153	1.075	1.040	1.068	0.980	0.963	1.066		7.67
90) C	Benzo(a)pyrene	1.127	1.114	1.057	1.022	1.055	1.001	0.967	1.049		5.54
91)	Dibenzo(a,h)an...	1.078	1.068	1.024	1.007	1.042	1.008	0.986	1.030		3.29
92)	Benzo(g,h,i)pe...	1.060	1.062	1.025	1.003	1.038	1.017	1.000	1.029		2.46

(#) = Out of Range