

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG052919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed May 29 18:39:57 2019
 Response Via : Initial Calibration

Calibration Files

10 =BG040936.D 20 =BG040937.D 40 =BG040938.D 50 =BG040939.D 60 =BG040940.D 80 =BG040941.D 100 =BG040942.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.576	0.514	0.500	0.499	0.507	0.448	0.478	0.503	7.79
3)	Pyridine	1.476	1.462	1.498	1.554	1.506	1.449	1.480	1.489	2.32
4)	n-Nitrosodimet...	0.625	0.640	0.700	0.718	0.721	0.697	0.737	0.691	6.18
5) S	2-Fluorophenol	1.103	1.131	1.120	1.131	1.116	1.072	1.090	1.109	1.98
6)	Aniline	2.316	2.309	2.276	2.347	2.326	2.202	2.229	2.286	2.34
7) S	Phenol-d6	1.711	1.776	1.707	1.767	1.741	1.624	1.665	1.713	3.18
8)	2-Chlorophenol	1.367	1.363	1.309	1.355	1.312	1.263	1.287	1.322	3.06
9)	Benzaldehyde	1.223	1.189	1.026	1.034	0.968	0.856	0.856	1.022	14.20
10) C	Phenol	1.833	1.907	1.826	1.912	1.866	1.735	1.777	1.837	3.55
11)	bis(2-Chloroet...	1.350	1.294	1.346	1.398	1.333	1.301	1.304	1.332	2.75
12)	1,3-Dichlorobe...	1.560	1.591	1.588	1.623	1.601	1.538	1.554	1.579	1.90
13) C	1,4-Dichlorobe...	1.596	1.620	1.624	1.635	1.606	1.542	1.567	1.599	2.09
14)	1,2-Dichlorobe...	1.589	1.575	1.563	1.596	1.565	1.471	1.506	1.552	2.97
15)	Benzyl Alcohol	1.482	1.590	1.577	1.644	1.634	1.555	1.610	1.585	3.46
16)	2,2'-oxybis(1-...	2.193	2.147	2.169	2.269	2.187	2.099	2.175	2.177	2.36
17)	2-Methylphenol	1.339	1.393	1.335	1.360	1.311	1.282	1.288	1.330	2.98
18)	Hexachloroethane	0.615	0.609	0.612	0.633	0.622	0.602	0.620	0.616	1.59
19) P	n-Nitroso-di-n...	1.259	1.304	1.316	1.391	1.342	1.279	1.337	1.318	3.33
20)	3+4-Methylphenols	1.790	1.968	1.813	1.883	1.861	1.764	1.815	1.842	3.73
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.555	0.567	0.573	0.556	0.561	0.560	0.553	0.561	1.25
23) S	Nitrobenzene-d5	0.449	0.457	0.455	0.451	0.449	0.449	0.444	0.451	0.98
24)	Nitrobenzene	0.447	0.464	0.469	0.462	0.456	0.460	0.456	0.459	1.56
25)	Isophorone	0.833	0.842	0.880	0.865	0.855	0.865	0.861	0.857	1.84
26) C	2-Nitrophenol	0.167	0.177	0.195	0.192	0.195	0.201	0.199	0.189	6.72
27)	2,4-Dimethylph...	0.304	0.320	0.319	0.311	0.306	0.315	0.313	0.313	1.96
28)	bis(2-Chloroet...	0.448	0.468	0.471	0.463	0.461	0.467	0.461	0.463	1.65
29) C	2,4-Dichloroph...	0.382	0.411	0.409	0.394	0.399	0.396	0.389	0.397	2.58
30)	1,2,4-Trichlor...	0.441	0.447	0.464	0.447	0.456	0.458	0.448	0.452	1.78
31)	Naphthalene	1.098	1.107	1.100	1.060	1.056	1.061	1.035	1.074	2.58
32)	Benzoic acid	0.152	0.171	0.229	0.239	0.235	0.253	0.283	0.223	20.66
33)	4-Chloroaniline	0.488	0.507	0.508	0.500	0.497	0.497	0.491	0.498	1.51
34) C	Hexachlorobuta...	0.334	0.357	0.343	0.343	0.345	0.351	0.346	0.346	2.05
35)	Caprolactam	0.122	0.133	0.135	0.131	0.134	0.132	0.132	0.131	3.39
36) C	4-Chloro-3-met...	0.447	0.465	0.461	0.461	0.449	0.447	0.444	0.453	1.90
37)	2-Methylnaphth...	0.857	0.844	0.839	0.826	0.815	0.803	0.805	0.827	2.49
38)	1-Methylnaphth...	0.785	0.800	0.798	0.775	0.775	0.763	0.759	0.779	2.05

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.800	0.808	0.827	0.806	0.810	0.798	0.793	0.806	1.37	
41) P	Hexachlorocycl...	0.195	0.286	0.366	0.384	0.412	0.433	0.452	0.361	25.19	
42) S	2,4,6-Tribromo...	0.271	0.295	0.304	0.304	0.304	0.294	0.307	0.297	4.23	
43) C	2,4,6-Trichlor...	0.499	0.528	0.541	0.518	0.532	0.513	0.520	0.521	2.60	
44)	2,4,5-Trichlor...	0.550	0.570	0.559	0.550	0.545	0.533	0.544	0.550	2.18	
45) S	2-Fluorobiphenyl	1.478	1.470	1.434	1.392	1.360	1.304	1.283	1.389	5.57	
46)	1,1'-Biphenyl	1.460	1.513	1.545	1.482	1.474	1.442	1.447	1.480	2.53	
47)	2-Chloronaphth...	1.295	1.287	1.307	1.272	1.258	1.239	1.237	1.271	2.14	
48)	2-Nitroaniline	0.418	0.447	0.469	0.468	0.465	0.456	0.468	0.456	4.02	
49)	Acenaphthylene	1.943	2.014	2.009	1.916	1.884	1.801	1.823	1.913	4.36	
50)	Dimethylphthalate	1.715	1.757	1.761	1.721	1.672	1.606	1.618	1.693	3.72	
51)	2,6-Dinitrotol...	0.357	0.365	0.374	0.371	0.372	0.351	0.366	0.365	2.34	
52) C	Acenaphthene	1.156	1.190	1.193	1.159	1.157	1.132	1.126	1.159	2.22	
53)	3-Nitroaniline	0.344	0.368	0.385	0.369	0.366	0.354	0.368	0.365	3.52	
54) P	2,4-Dinitrophenol	0.043	0.081	0.138	0.159	0.174	0.185	0.212	0.142	42.36	
55)	Dibenzofuran	2.028	2.047	2.040	1.942	1.927	1.825	1.840	1.950	4.77	
56) P	4-Nitrophenol	0.200	0.231	0.263	0.262	0.268	0.260	0.269	0.250	10.33	
57)	2,4-Dinitrotol...	0.467	0.512	0.540	0.526	0.528	0.507	0.529	0.516	4.67	
58)	Fluorene	1.578	1.633	1.599	1.570	1.541	1.461	1.488	1.553	3.91	
59)	2,3,4,6-Tetrac...	0.507	0.560	0.558	0.552	0.550	0.520	0.537	0.540	3.71	
60)	Diethylphthalate	1.701	1.824	1.795	1.769	1.731	1.625	1.650	1.728	4.27	
61)	4-Chlorophenyl...	0.998	1.037	1.029	1.014	1.010	0.980	0.997	1.009	1.94	
62)	4-Nitroaniline	0.369	0.391	0.396	0.392	0.394	0.372	0.391	0.386	2.83	
63)	Azobenzene	1.603	1.645	1.655	1.581	1.548	1.484	1.477	1.570	4.54	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.049	0.073	0.097	0.105	0.110	0.117	0.121	0.096	27.28	
66) c	n-Nitrosodiphe...	0.571	0.570	0.573	0.564	0.556	0.559	0.543	0.562	1.89	
67)	4-Bromophenyl-...	0.259	0.268	0.279	0.268	0.274	0.274	0.268	0.270	2.40	
68)	Hexachlorobenzene	0.288	0.279	0.293	0.286	0.290	0.291	0.285	0.287	1.58	
69)	Atrazine	0.243	0.252	0.241	0.217	0.213	0.188	0.165	0.217	14.66	
70) C	Pentachlorophenol	0.101	0.114	0.148	0.151	0.153	0.154	0.155	0.139	15.99	
71)	Phenanthrene	1.119	1.092	1.078	1.039	1.035	0.984	0.946	1.042	5.87	
72)	Anthracene	1.090	1.083	1.061	1.029	1.013	0.981	0.936	1.027	5.46	
73)	Carbazole	0.927	0.917	0.910	0.872	0.876	0.848	0.821	0.882	4.39	
74)	Di-n-butylphth...	1.115	1.156	1.156	1.112	1.092	1.045	0.995	1.096	5.34	
75) C	Fluoranthene	1.408	1.385	1.343	1.291	1.258	1.194	1.129	1.287	7.91	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.547	0.529	0.507	0.458	0.473	0.420	0.407	0.477	11.18	
78)	Pyrene	1.352	1.395	1.357	1.312	1.293	1.229	1.164	1.300	6.19	
79) S	Terphenyl-d14	1.068	1.073	0.999	0.955	0.913	0.830	0.757	0.942	12.55	
80)	Butylbenzylphth...	0.472	0.504	0.526	0.516	0.515	0.508	0.501	0.506	3.37	
81)	Benzo(a)anthra...	1.402	1.400	1.366	1.335	1.324	1.278	1.215	1.331	5.08	
82)	3,3'-Dichlorob...	0.471	0.476	0.472	0.465	0.472	0.468	0.454	0.468	1.53	
83)	Chrysene	1.341	1.334	1.322	1.268	1.268	1.221	1.163	1.274	5.13	
84)	Bis(2-ethylhex...	0.681	0.720	0.732	0.721	0.724	0.715	0.692	0.712	2.60	
85) c	Di-n-octyl pht...	1.128	1.192	1.233	1.210	1.205	1.186	1.150	1.186	3.06	
86)	Indeno(1,2,3-c...	1.481	1.506	1.568	1.585	1.596	1.585	1.604	1.561	3.07	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.210	1.260	1.243	1.211	1.197	1.203	1.168	1.213	2.49
89)	Benzo(k)fluora...	1.228	1.234	1.235	1.211	1.204	1.154	1.137	1.200	3.30
90) C	Benzo(a)pyrene	1.162	1.173	1.189	1.153	1.148	1.153	1.123	1.157	1.80
91)	Dibenzo(a,h)an...	1.089	1.159	1.192	1.151	1.168	1.174	1.162	1.156	2.80
92)	Benzo(g,h,i)pe...	1.080	1.117	1.138	1.121	1.144	1.123	1.141	1.124	1.95

(#) = Out of Range