

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM052419.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu May 30 02:15:06 2019
 Response Via : Initial Calibration

Calibration Files

10 =BM020543.D 20 =BM020544.D 40 =BM020597.D 50 =BM020546.D 60 =BM020547.D 80 =BM020548.D 100 =BM020549.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.564	0.536	0.536	0.510	0.526	0.530	0.533	0.533	3.03
3)	Pyridine	1.004	1.498	1.603	1.674	1.679	1.529	1.588	1.511	15.45
4)	n-Nitrosodimet...	0.314	0.329	0.367	0.410	0.385	0.428	0.416	0.378	11.66
5) S	2-Fluorophenol	0.884	0.961	1.033	1.035	1.045	1.075	1.104	1.019	7.29
6)	Aniline	1.958	2.129	2.252	2.287	2.274	2.310	2.371	2.226	6.26
7) S	Phenol-d6	1.302	1.413	1.561	1.577	1.593	1.641	1.685	1.539	8.75
8)	2-Chlorophenol	1.154	1.209	1.254	1.245	1.271	1.289	1.305	1.247	4.13
9)	Benzaldehyde	1.143	1.124	1.012	0.934	0.867	0.815		0.982	13.66
10) C	Phenol	1.437	1.529	1.683	1.700	1.713	1.759	1.809	1.662	7.91
11)	bis(2-Chloroet...	1.082	1.165	1.244	1.289	1.274	1.294	1.331	1.240	7.01
12)	1,3-Dichlorobe...	1.572	1.583	1.613	1.587	1.595	1.603	1.623	1.596	1.10
13) C	1,4-Dichlorobe...	1.580	1.559	1.621	1.605	1.576	1.603	1.627	1.596	1.56
14)	1,2-Dichlorobe...	1.597	1.576	1.606	1.593	1.602	1.609	1.616	1.600	0.81
15)	Benzyl Alcohol	1.154	1.301	1.442	1.475	1.474	1.537	1.583	1.424	10.39
16)	2,2'-oxybis(1-...	0.895	0.873	0.855	0.853	0.864	0.855	0.856	0.864	1.77
17)	2-Methylphenol	1.016	1.008	1.092	1.126	1.118	1.140	1.178	1.097	5.79
18)	Hexachloroethane	0.660	0.641	0.649	0.645	0.646	0.637	0.646	0.646	1.10
19) P	n-Nitroso-di-n...	1.295	1.316	1.385	1.396	1.374	1.386	1.412	1.366	3.20
20)	3+4-Methylphenols	1.281	1.372	1.483	1.488	1.526	1.549	1.599	1.471	7.44
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.515	0.528	0.546	0.559	0.558	0.571	0.580	0.551	4.22
23) S	Nitrobenzene-d5	0.435	0.451	0.472	0.483	0.491	0.499	0.505	0.476	5.42
24)	Nitrobenzene	0.423	0.454	0.468	0.480	0.483	0.492	0.495	0.471	5.39
25)	Isophorone	0.860	0.878	0.880	0.891	0.886	0.901	0.911	0.887	1.88
26) C	2-Nitrophenol	0.148	0.157	0.173	0.179	0.181	0.186	0.190	0.174	8.90
27)	2,4-Dimethylph...	0.240	0.240	0.254	0.263	0.264	0.273	0.277	0.259	5.63
28)	bis(2-Chloroet...	0.414	0.446	0.457	0.476	0.470	0.480	0.487	0.462	5.43
29) C	2,4-Dichloroph...	0.300	0.318	0.341	0.348	0.358	0.367	0.377	0.344	7.89
30)	1,2,4-Trichlor...	0.454	0.460	0.458	0.472	0.479	0.484	0.486	0.470	2.83
31)	Naphthalene	1.006	1.018	1.012	1.036	1.044	1.053	1.059	1.033	2.00
32)	Benzoic acid	0.087	0.102	0.160	0.164	0.170	0.186	0.206	0.154	28.36
33)	4-Chloroaniline	0.330	0.384	0.416	0.424	0.424	0.448	0.460	0.412	10.62
34) C	Hexachlorobuta...	0.348	0.344	0.344	0.349	0.354	0.355	0.354	0.350	1.30
35)	Caprolactam	0.089	0.108	0.113	0.116	0.121	0.120	0.126	0.113	10.87
36) C	4-Chloro-3-met...	0.324	0.352	0.371	0.376	0.390	0.400	0.408	0.374	7.74
37)	2-Methylnaphth...	0.752	0.770	0.776	0.786	0.798	0.814	0.826	0.789	3.29
38)	1-Methylnaphth...	0.751	0.755	0.751	0.760	0.763	0.776	0.794	0.764	2.06

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.805	0.826	0.833	0.836	0.864	0.866	0.856	0.841	2.63	
41) P	Hexachlorocycl...	0.193	0.250	0.347	0.371	0.389	0.422	0.423	0.342	25.80	
42) S	2,4,6-Tribromo...	0.363	0.387	0.393	0.393	0.420	0.417	0.432	0.401	5.90	
43) C	2,4,6-Trichlor...	0.461	0.485	0.526	0.524	0.545	0.550	0.552	0.520	6.70	
44)	2,4,5-Trichlor...	0.379	0.434	0.494	0.494	0.521	0.536	0.542	0.486	12.19	
45) S	2-Fluorobiphenyl	1.549	1.555	1.567	1.575	1.636	1.635	1.640	1.594	2.58	
46)	1,1'-Biphenyl	1.462	1.520	1.534	1.525	1.572	1.580	1.590	1.540	2.89	
47)	2-Chloronaphth...	1.274	1.271	1.289	1.290	1.336	1.340	1.342	1.306	2.46	
48)	2-Nitroaniline	0.276	0.342	0.384	0.400	0.419	0.428	0.442	0.384	15.09	
49)	Acenaphthylene	1.902	1.952	1.948	1.961	2.039	2.033	2.065	1.986	3.02	
50)	Dimethylphthalate	1.673	1.753	1.756	1.735	1.830	1.818	1.835	1.772	3.36	
51)	2,6-Dinitrotol...	0.310	0.355	0.369	0.376	0.388	0.391	0.395	0.369	7.95	
52) C	Acenaphthene	1.152	1.180	1.185	1.167	1.221	1.231	1.240	1.197	2.84	
53)	3-Nitroaniline	0.220	0.274	0.314	0.314	0.336	0.347	0.356	0.309	15.42	
54) P	2,4-Dinitrophenol	0.071	0.129	0.189	0.200	0.220	0.241	0.256	0.187	35.10	
55)	Dibenzofuran	1.977	2.030	2.034	2.026	2.114	2.136	2.178	2.071	3.49	
56) P	4-Nitrophenol	0.098	0.148	0.204	0.211	0.235	0.244	0.256	0.199	28.62	
57)	2,4-Dinitrotol...	0.424	0.496	0.534	0.529	0.572	0.581	0.596	0.533	11.14	
58)	Fluorene	1.606	1.667	1.694	1.694	1.767	1.777	1.836	1.720	4.51	
59)	2,3,4,6-Tetrac...	0.507	0.546	0.563	0.560	0.591	0.591	0.600	0.565	5.75	
60)	Diethylphthalate	1.643	1.736	1.719	1.700	1.800	1.795	1.824	1.745	3.69	
61)	4-Chlorophenyl...	1.032	1.077	1.076	1.081	1.123	1.138	1.161	1.098	4.03	
62)	4-Nitroaniline	0.237	0.285	0.299	0.306	0.335	0.346	0.364	0.310	13.77	
63)	Azobenzene	1.567	1.681	1.689	1.661	1.771	1.747	1.772	1.698	4.30	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.079	0.099	0.120	0.124	0.128	0.133	0.139	0.118	18.09	
66) c	n-Nitrosodipe...	0.516	0.532	0.535	0.548	0.546	0.556	0.561	0.542	2.88	
67)	4-Bromophenyl-...	0.245	0.262	0.267	0.269	0.271	0.275	0.277	0.266	4.04	
68)	Hexachlorobenzene	0.317	0.321	0.317	0.325	0.321	0.327	0.333	0.323	1.83	
69)	Atrazine	0.220	0.230	0.230	0.229	0.227	0.218	0.207	0.223	3.84	
70) C	Pentachlorophenol	0.135	0.152	0.169	0.173	0.175	0.181	0.184	0.167	10.45	
71)	Phenanthrene	1.045	1.066	1.070	1.089	1.098	1.107	1.131	1.087	2.63	
72)	Anthracene	0.981	1.011	1.044	1.056	1.074	1.090	1.119	1.054	4.46	
73)	Carbazole	0.811	0.870	0.894	0.907	0.930	0.948	0.969	0.904	5.82	
74)	Di-n-butylphth...	1.010	1.062	1.098	1.116	1.153	1.170	1.178	1.112	5.51	
75) C	Fluoranthene	1.415	1.459	1.468	1.496	1.559	1.584	1.595	1.511	4.57	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.309	0.368	0.413	0.391	0.396	0.369	0.328	0.368	10.21	
78)	Pyrene	1.215	1.238	1.278	1.278	1.246	1.258	1.276	1.256	1.92	
79) S	Terphenyl-d14	1.048	1.085	1.124	1.127	1.111	1.112	1.137	1.106	2.75	
80)	Butylbenzylphth...	0.401	0.418	0.446	0.452	0.447	0.458	0.467	0.441	5.26	
81)	Benzo(a)anthra...	1.332	1.350	1.370	1.395	1.404	1.408	1.430	1.384	2.51	
82)	3,3'-Dichlorob...	0.468	0.505	0.503	0.515	0.515	0.522	0.508	0.505	3.48	
83)	Chrysene	1.299	1.322	1.331	1.322	1.357	1.358	1.374	1.338	1.97	
84)	Bis(2-ethylhex...	0.592	0.627	0.631	0.651	0.655	0.668	0.677	0.643	4.49	
85) c	Di-n-octyl pht...	1.041	1.084	1.084	1.122	1.149	1.169	1.175	1.118	4.49	
86)	Indeno(1,2,3-c...	1.551	1.641	1.418	1.598	1.714	1.759	1.640	1.617	6.91	

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		-----ISTD-----									
87)	I	Perylene-d12									
88)		Benzo(b)fluora...	1.238	1.267	1.276	1.327	1.319	1.366	1.370	1.309	3.86
89)		Benzo(k)fluora...	1.176	1.226	1.302	1.262	1.305	1.287	1.335	1.270	4.26
90)	C	Benzo(a)pyrene	1.136	1.179	1.187	1.204	1.222	1.244	1.258	1.205	3.45
91)		Dibenzo(a,h)an...	1.165	1.231	1.128	1.222	1.288	1.329	1.267	1.233	5.64
92)		Benzo(g,h,i)pe...	1.109	1.174	1.031	1.140	1.195	1.222	1.131	1.143	5.51

(#) = Out of Range