

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM121619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 16 19:58:15 2019
 Response Via : Initial Calibration

Calibration Files

10 =BM024109.D 20 =BM024110.D 40 =BM024111.D 50 =BM024112.D 60 =BM024113.D 80 =BM024114.D 100 =BM024115.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.546	0.517	0.471	0.482	0.472	0.454	0.455	0.485	7.05
3)	Pyridine	1.409	1.517	1.462	1.302	1.293	1.280	1.300	1.366	7.02
4)	n-Nitrosodimet...	0.460	0.441	0.440	0.459	0.449	0.447	0.455	0.450	1.83
5) S	2-Fluorophenol	1.215	1.183	1.099	1.138	1.132	1.106	1.103	1.139	3.89
6)	Aniline	2.281	2.319	2.176	2.245	2.203	2.148	2.076	2.207	3.75
7) S	Phenol-d6	1.769	1.780	1.688	1.747	1.735	1.708	1.696	1.732	2.06
8)	2-Chlorophenol	1.398	1.385	1.299	1.347	1.327	1.302	1.292	1.336	3.20
9)	Benzaldehyde	1.208	1.099	0.800	0.816	0.738	0.652	0.569	0.840	27.64
10) C	Phenol	1.852	1.852	1.746	1.813	1.793	1.777	1.754	1.798	2.39
11)	bis(2-Chloroet...	1.453	1.457	1.356	1.405	1.383	1.357	1.385	1.399	2.99
12)	1,3-Dichlorobe...	1.667	1.605	1.463	1.517	1.491	1.452	1.446	1.520	5.58
13) C	1,4-Dichlorobe...	1.698	1.622	1.497	1.543	1.512	1.479	1.468	1.545	5.48
14)	1,2-Dichlorobe...	1.643	1.598	1.466	1.505	1.487	1.455	1.437	1.513	5.15
15)	Benzyl Alcohol	1.306	1.390	1.312	1.385	1.370	1.350	1.354	1.352	2.45
16)	2,2'-oxybis(1-...	1.934	1.860	1.683	1.718	1.671	1.616	1.588	1.724	7.40
17)	2-Methylphenol	1.239	1.260	1.183	1.222	1.211	1.197	1.183	1.214	2.37
18)	Hexachloroethane	0.605	0.600	0.559	0.580	0.571	0.559	0.548	0.575	3.80
19) P	n-Nitroso-di-n...	1.372	1.370	1.267	1.302	1.280	1.233	1.217	1.292	4.74
20)	3+4-Methylphenols	1.692	1.749	1.641	1.713	1.686	1.653	1.652	1.684	2.30
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.557	0.551	0.520	0.552	0.542	0.546	0.540	0.544	2.24
23) S	Nitrobenzene-d5	0.434	0.430	0.407	0.431	0.427	0.428	0.423	0.426	2.09
24)	Nitrobenzene	0.436	0.420	0.396	0.421	0.415	0.416	0.412	0.417	2.83
25)	Isophorone	0.764	0.759	0.729	0.780	0.771	0.781	0.772	0.765	2.32
26) C	2-Nitrophenol	0.164	0.172	0.173	0.186	0.190	0.193	0.194	0.182	6.59
27)	2,4-Dimethylph...	0.256	0.261	0.249	0.268	0.267	0.271	0.269	0.263	3.01
28)	bis(2-Chloroet...	0.507	0.496	0.461	0.494	0.487	0.485	0.477	0.487	3.03
29) C	2,4-Dichloroph...	0.301	0.306	0.298	0.321	0.321	0.324	0.327	0.314	3.79
30)	1,2,4-Trichlor...	0.367	0.353	0.335	0.359	0.356	0.361	0.360	0.356	2.93
31)	Naphthalene	1.107	1.066	1.005	1.068	1.061	1.072	1.058	1.062	2.84
32)	Benzoic acid	0.195	0.224	0.229	0.233	0.253	0.263	0.272	0.238	11.04
33)	4-Chloroaniline	0.454	0.461	0.449	0.478	0.480	0.488	0.487	0.471	3.43
34) C	Hexachlorobuta...	0.215	0.205	0.192	0.205	0.206	0.208	0.206	0.205	3.37
35)	Caprolactam	0.107	0.113	0.114	0.121	0.122	0.124	0.126	0.118	5.83
36) C	4-Chloro-3-met...	0.368	0.373	0.355	0.380	0.378	0.383	0.382	0.374	2.67
37)	2-Methylnaphth...	0.816	0.795	0.744	0.796	0.793	0.799	0.793	0.791	2.81
38)	1-Methylnaphth...	0.783	0.765	0.713	0.761	0.754	0.759	0.756	0.756	2.79

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.618	0.589	0.555	0.603	0.600	0.614	0.611	0.598	3.60	
41) P	Hexachlorocycl...	0.127	0.167	0.199	0.232	0.237	0.254	0.258	0.211	23.23	
42) S	2,4,6-Tribromo...	0.273	0.280	0.269	0.295	0.297	0.304	0.308	0.289	5.30	
43) C	2,4,6-Trichlor...	0.395	0.407	0.384	0.418	0.409	0.416	0.410	0.405	2.98	
44)	2,4,5-Trichlor...	0.398	0.405	0.392	0.427	0.420	0.427	0.427	0.414	3.65	
45) S	2-Fluorobiphenyl	1.513	1.457	1.365	1.472	1.442	1.454	1.362	1.438	3.86	
46)	1,1'-Biphenyl	1.680	1.610	1.500	1.619	1.593	1.613	1.601	1.602	3.31	
47)	2-Chloronaphth...	1.314	1.268	1.187	1.278	1.262	1.278	1.272	1.266	3.05	
48)	2-Nitroaniline	0.391	0.410	0.401	0.437	0.434	0.441	0.439	0.422	4.89	
49)	Acenaphthylene	1.996	1.963	1.850	1.995	1.966	1.991	1.978	1.963	2.63	
50)	Dimethylphthalate	1.707	1.639	1.534	1.650	1.634	1.633	1.632	1.633	3.13	
51)	2,6-Dinitrotol...	0.345	0.353	0.335	0.359	0.358	0.365	0.367	0.355	3.18	
52) C	Acenaphthene	1.236	1.201	1.126	1.218	1.203	1.216	1.215	1.202	2.95	
53)	3-Nitroaniline	0.352	0.381	0.373	0.402	0.407	0.415	0.419	0.393	6.30	
54) P	2,4-Dinitrophenol	0.124	0.162	0.183	0.203	0.212	0.225	0.234	0.192	20.20	
55)	Dibenzofuran	1.981	1.908	1.773	1.906	1.886	1.911	1.908	1.896	3.27	
56) P	4-Nitrophenol	0.237	0.270	0.277	0.302	0.304	0.312	0.316	0.288	9.88	
57)	2,4-Dinitrotol...	0.467	0.487	0.477	0.518	0.511	0.522	0.528	0.501	4.80	
58)	Fluorene	1.617	1.567	1.476	1.594	1.586	1.599	1.609	1.578	3.04	
59)	2,3,4,6-Tetrac...	0.387	0.387	0.368	0.389	0.383	0.386	0.378	0.383	1.95	
60)	Diethylphthalate	1.708	1.675	1.565	1.676	1.651	1.659	1.658	1.656	2.68	
61)	4-Chlorophenyl...	0.808	0.767	0.728	0.794	0.786	0.801	0.803	0.784	3.57	
62)	4-Nitroaniline	0.346	0.383	0.373	0.407	0.403	0.412	0.425	0.393	6.93	
63)	Azobenzene	1.684	1.644	1.536	1.630	1.596	1.598	1.581	1.610	2.97	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.095	0.108	0.113	0.124	0.125	0.130	0.134	0.118	11.80	
66) c	n-Nitrosodiphe...	0.645	0.633	0.589	0.635	0.626	0.636	0.633	0.628	2.86	
67)	4-Bromophenyl-...	0.234	0.230	0.219	0.239	0.238	0.245	0.246	0.236	3.92	
68)	Hexachlorobenzene	0.291	0.282	0.267	0.289	0.288	0.294	0.296	0.287	3.45	
69)	Atrazine	0.204	0.194	0.158	0.144	0.123	0.097	0.059	0.140	36.84	
70) C	Pentachlorophenol	0.121	0.134	0.131	0.142	0.140	0.142	0.140	0.136	5.57	
71)	Phenanthrene	1.213	1.172	1.083	1.172	1.152	1.154	1.107	1.151	3.77	
72)	Anthracene	1.136	1.123	1.062	1.144	1.128	1.128	1.086	1.115	2.67	
73)	Carbazole	1.062	1.072	1.009	1.080	1.067	1.067	1.056	1.059	2.18	
74)	Di-n-butylphth...	1.282	1.300	1.250	1.333	1.315	1.229	1.115	1.261	5.84	
75) C	Fluoranthene	1.367	1.334	1.257	1.350	1.325	1.304	1.180	1.302	4.95	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.321	0.336	0.429	0.332	0.342	0.300	0.343		12.98	
78)	Pyrene	1.381	1.361	1.271	1.364	1.357	1.323	1.187	1.321	5.24	
79) S	Terphenyl-d14	1.155	1.123	1.041	1.024	0.924	0.809	1.013		12.69	
80)	Butylbenzylpht...	0.572	0.603	0.583	0.636	0.639	0.644	0.636	0.616	4.83	
81)	Benzo(a)anthra...	1.407	1.356	1.275	1.356	1.334	1.282	1.183	1.313	5.60	
82)	3,3'-Dichlorob...	0.482	0.487	0.469	0.492	0.484	0.474	0.466	0.479	2.05	
83)	Chrysene	1.377	1.323	1.216	1.291	1.282	1.213	1.100	1.257	7.19	
84)	Bis(2-ethylhex...	0.841	0.869	0.840	0.899	0.893	0.901	0.862	0.872	3.00	
85) c	Di-n-octyl pht...	1.395	1.467	1.412	1.502	1.484	1.312	1.128	1.386	9.42	
86)	Indeno(1,2,3-c...	1.765	1.699	1.564	1.633	1.534	1.422	1.429	1.578	8.24	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.261	1.235	1.205	1.270	1.261	1.328	1.265	1.261	2.97
89)	Benzo(k)fluora...	1.269	1.242	1.131	1.228	1.253	1.226	1.161	1.216	4.17
90) C	Benzo(a)pyrene	1.170	1.154	1.094	1.175	1.174	1.186	1.185	1.162	2.75
91)	Dibenzo(a,h)an...	1.214	1.183	1.101	1.162	1.119	1.088	1.091	1.137	4.37
92)	Benzo(g,h,i)pe...	1.193	1.141	1.036	1.084	1.025	0.993	1.006	1.068	7.00

(#) = Out of Range