

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM053119.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri May 31 15:48:49 2019
 Response Via : Initial Calibration

Calibration Files

10 =BM020625.D 20 =BM020626.D 40 =BM020627.D 50 =BM020628.D 60 =BM020629.D 80 =BM020630.D 100 =BM020631.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.474	0.470	0.462	0.454	0.466	0.469	0.463	0.465	1.40
3)	Pyridine	1.416	1.506	1.528	1.449	1.493	1.482	1.493	1.481	2.52
4)	n-Nitrosodimet...	0.601	0.615	0.632	0.628	0.645	0.677	0.671	0.638	4.34
5) S	2-Fluorophenol	1.119	1.148	1.131	1.117	1.152	1.142	1.150	1.137	1.28
6)	Aniline	2.345	2.466	2.450	2.419	2.452	2.378	2.447	2.422	1.86
7) S	Phenol-d6	1.611	1.683	1.681	1.672	1.701	1.666	1.704	1.674	1.85
8)	2-Chlorophenol	1.380	1.426	1.418	1.411	1.428	1.407	1.431	1.414	1.25
9)	Benzaldehyde	1.247	1.195	0.993	0.896	0.872	0.754	0.676	0.948	22.50
10) C	Phenol	1.748	1.809	1.823	1.792	1.829	1.791	1.837	1.804	1.68
11)	bis(2-Chloroet...	1.393	1.459	1.456	1.431	1.449	1.423	1.454	1.438	1.65
12)	1,3-Dichlorobe...	1.613	1.657	1.619	1.598	1.636	1.628	1.628	1.626	1.13
13) C	1,4-Dichlorobe...	1.635	1.670	1.658	1.623	1.668	1.653	1.661	1.653	1.06
14)	1,2-Dichlorobe...	1.599	1.640	1.607	1.586	1.621	1.600	1.606	1.608	1.10
15)	Benzyl Alcohol	1.413	1.478	1.497	1.486	1.515	1.460	1.518	1.481	2.45
16)	2,2'-oxybis(1-...	2.273	2.299	2.256	2.201	2.211	2.135	2.164	2.220	2.68
17)	2-Methylphenol	1.234	1.281	1.284	1.270	1.289	1.242	1.281	1.269	1.73
18)	Hexachloroethane	0.606	0.635	0.638	0.625	0.639	0.641	0.645	0.633	2.12
19) P	n-Nitroso-di-n...	1.355	1.390	1.380	1.351	1.355	1.266	1.323	1.346	3.06
20)	3+4-Methylphenols	1.643	1.734	1.761	1.743	1.752	1.691	1.758	1.726	2.53
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.515	0.515	0.507	0.508	0.506	0.502	0.504	0.508	1.01
23) S	Nitrobenzene-d5	0.359	0.382	0.385	0.391	0.393	0.396	0.396	0.386	3.36
24)	Nitrobenzene	0.370	0.392	0.393	0.398	0.401	0.401	0.403	0.394	2.90
25)	Isophorone	0.767	0.768	0.774	0.773	0.773	0.750	0.771	0.768	1.10
26) C	2-Nitrophenol	0.112	0.129	0.145	0.151	0.157	0.165	0.170	0.147	13.96
27)	2,4-Dimethylph...	0.270	0.276	0.273	0.278	0.278	0.273	0.278	0.275	1.14
28)	bis(2-Chloroet...	0.466	0.470	0.465	0.463	0.467	0.456	0.463	0.464	0.91
29) C	2,4-Dichloroph...	0.284	0.297	0.303	0.308	0.310	0.310	0.318	0.304	3.60
30)	1,2,4-Trichlor...	0.337	0.347	0.345	0.348	0.354	0.360	0.360	0.350	2.41
31)	Naphthalene	1.029	1.038	1.022	1.030	1.026	1.028	1.025	1.028	0.49
32)	Benzoic acid	0.116	0.137	0.162	0.174	0.181		0.154		17.40
33)	4-Chloroaniline	0.478	0.477	0.482	0.485	0.482	0.466	0.481	0.479	1.32
34) C	Hexachlorobuta...	0.204	0.206	0.204	0.208	0.212	0.218	0.218	0.210	2.87
35)	Caprolactam	0.104	0.099	0.108	0.110	0.109	0.099	0.112	0.106	5.00
36) C	4-Chloro-3-met...	0.351	0.345	0.356	0.361	0.363	0.341	0.361	0.354	2.45
37)	2-Methylnaphth...	0.780	0.764	0.764	0.764	0.764	0.743	0.757	0.762	1.45
38)	1-Methylnaphth...	0.745	0.730	0.728	0.730	0.730	0.698	0.721	0.726	1.93

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.598	0.646	0.639	0.641	0.664	0.710	0.690	0.655	5.58	
41) P	Hexachlorocycl...	0.321	0.379	0.384	0.385	0.404	0.449	0.422	0.392	10.20	
42) S	2,4,6-Tribromo...	0.219	0.220	0.248	0.255	0.267	0.250	0.276	0.248	8.71	
43) C	2,4,6-Trichlor...	0.376	0.406	0.423	0.423	0.436	0.446	0.444	0.422	5.82	
44)	2,4,5-Trichlor...	0.391	0.426	0.435	0.436	0.449	0.455	0.456	0.436	5.20	
45) S	2-Fluorobiphenyl	1.467	1.544	1.490	1.484	1.516	1.549	1.481	1.504	2.14	
46)	1,1'-Biphenyl	1.630	1.711	1.662	1.646	1.673	1.715	1.656	1.670	1.91	
47)	2-Chloronaphth...	1.319	1.378	1.331	1.317	1.357	1.382	1.352	1.348	1.98	
48)	2-Nitroaniline	0.346	0.385	0.433	0.441	0.453	0.444	0.460	0.423	9.87	
49)	Acenaphthylene	2.079	2.124	2.118	2.082	2.127	2.099	2.096	2.103	0.94	
50)	Dimethylphthalate	1.728	1.686	1.725	1.721	1.745	1.653	1.703	1.709	1.82	
51)	2,6-Dinitrotol...	0.311	0.328	0.350	0.356	0.367	0.350	0.367	0.347	5.89	
52) C	Acenaphthene	1.239	1.253	1.263	1.244	1.271	1.250	1.254	1.254	0.85	
53)	3-Nitroaniline	0.346	0.359	0.398	0.403	0.410	0.385	0.409	0.387	6.53	
54) P	2,4-Dinitrophenol	0.078	0.095	0.125	0.138	0.151	0.149	0.123		24.44	
55)	Dibenzofuran	1.957	1.931	1.945	1.936	1.975	1.925	1.960	1.947	0.92	
56) P	4-Nitrophenol	0.245	0.249	0.295	0.304	0.309	0.285	0.309	0.285	9.65	
57)	2,4-Dinitrotol...	0.391	0.412	0.477	0.488	0.504	0.469	0.510	0.465	9.83	
58)	Fluorene	1.625	1.581	1.610	1.604	1.634	1.553	1.599	1.601	1.70	
59)	2,3,4,6-Tetrac...	0.345	0.348	0.385	0.387	0.401	0.384	0.407	0.380	6.32	
60)	Diethylphthalate	1.817	1.699	1.804	1.792	1.802	1.661	1.761	1.762	3.39	
61)	4-Chlorophenyl...	0.823	0.812	0.840	0.848	0.874	0.847	0.889	0.848	3.17	
62)	4-Nitroaniline	0.377	0.364	0.422	0.434	0.442	0.399	0.437	0.411	7.57	
63)	Azobenzene	1.750	1.665	1.730	1.697	1.725	1.604	1.656	1.690	3.03	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.051	0.066	0.080	0.087	0.092	0.098	0.105	0.083	22.96	
66) c	n-Nitrosodiphe...	0.614	0.656	0.628	0.633	0.640	0.663	0.648	0.640	2.62	
67)	4-Bromophenyl-...	0.218	0.233	0.228	0.232	0.238	0.249	0.251	0.235	4.98	
68)	Hexachlorobenzene	0.257	0.272	0.266	0.272	0.277	0.289	0.292	0.275	4.43	
69)	Atrazine	0.218	0.213	0.211	0.200	0.190	0.163	0.142	0.191	14.87	
70) C	Pentachlorophenol	0.107	0.119	0.132	0.137	0.141	0.139	0.145	0.131	10.40	
71)	Phenanthrene	1.124	1.145	1.119	1.134	1.139	1.140	1.135	1.134	0.81	
72)	Anthracene	1.113	1.137	1.125	1.139	1.151	1.141	1.138	1.135	1.09	
73)	Carbazole	1.039	1.022	1.028	1.049	1.045	1.006	1.019	1.030	1.51	
74)	Di-n-butylphth...	1.345	1.310	1.355	1.376	1.363	1.292	1.316	1.337	2.33	
75) C	Fluoranthene	1.283	1.206	1.257	1.303	1.289	1.236	1.251	1.261	2.66	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.679	0.672	0.693	0.592	0.577	0.531	0.498	0.606	12.69	
78)	Pyrene	1.415	1.518	1.556	1.504	1.598	1.506	1.646	1.535	4.85	
79) S	Terphenyl-d14	1.129	1.191	1.252	1.211	1.260	1.177	1.150	1.196	4.11	
80)	Butylbenzylphth...	0.577	0.606	0.663	0.664	0.683	0.653	0.693	0.649	6.45	
81)	Benzo(a)anthra...	1.364	1.386	1.385	1.382	1.410	1.402	1.420	1.393	1.37	
82)	3,3'-Dichlorob...	0.476	0.510	0.514	0.518	0.522	0.522	0.508	0.510	3.09	
83)	Chrysene	1.307	1.320	1.322	1.307	1.333	1.339	1.339	1.324	1.03	
84)	Bis(2-ethylhex...	0.917	0.912	0.963	0.961	0.971	0.922	0.953	0.943	2.65	
85) c	Di-n-octyl pht...	1.431	1.453	1.482	1.530	1.514	1.552	1.513	1.497	2.88	
86)	Indeno(1,2,3-c...	1.247	1.510	1.235	1.191	1.270	1.623	1.404	1.354	12.01	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.246	1.304	1.331	1.349	1.345	1.330	1.348	1.322	2.79
89)	Benzo(k)fluora...	1.257	1.199	1.279	1.333	1.348	1.288	1.338	1.292	4.12
90) C	Benzo(a)pyrene	1.133	1.162	1.183	1.212	1.224	1.232	1.247	1.199	3.44
91)	Dibenzo(a,h)an...	1.032	1.190	1.118	1.114	1.165	1.282	1.243	1.163	7.27
92)	Benzo(g,h,i)pe...	0.951	1.120	1.042	1.023	1.075	1.195	1.157	1.080	7.75

(#) = Out of Range