

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM062019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jun 20 15:39:58 2019
 Response Via : Initial Calibration

Calibration Files

10 =BM021058.D 20 =BM021059.D 40 =BM021060.D 50 =BM021061.D 60 =BM021062.D 80 =BM021063.D 100 =BM021064.D

Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.433	0.438	0.439	0.414	0.408	0.425	0.356	0.416	7.00
3) Pyridine	1.201	1.246	1.190	1.182	1.206	1.264	1.088	1.197	4.72
4) n-Nitrosodimet...	0.428	0.426	0.475	0.465	0.459	0.504	0.469	0.461	5.87
5) S 2-Fluorophenol	1.110	1.091	1.145	1.104	1.092	1.159	1.031	1.105	3.78
6) Aniline	2.090	2.068	2.201	2.155	2.143	2.276	2.062	2.142	3.62
7) S Phenol-d6	1.568	1.543	1.643	1.603	1.601	1.719	1.582	1.608	3.61
8) 2-Chlorophenol	1.339	1.312	1.396	1.355	1.353	1.437	1.322	1.359	3.22
9) Benzaldehyde	1.120	1.004	0.854	0.760	0.708	0.659		0.851	21.14
10) C Phenol	1.606	1.566	1.673	1.645	1.629	1.767	1.617	1.643	3.88
11) bis(2-Chloroet...	1.310	1.252	1.324	1.274	1.286	1.374	1.288	1.301	3.05
12) 1,3-Dichlorobe...	1.683	1.624	1.700	1.635	1.613	1.711	1.562	1.647	3.25
13) C 1,4-Dichlorobe...	1.722	1.646	1.716	1.663	1.650	1.730	1.595	1.674	2.98
14) 1,2-Dichlorobe...	1.695	1.598	1.677	1.625	1.613	1.706	1.573	1.641	3.13
15) Benzyl Alcohol	1.238	1.223	1.326	1.307	1.307	1.410	1.306	1.302	4.72
16) 2,2'-oxybis(1-...	1.740	1.652	1.728	1.672	1.659	1.743	1.585	1.683	3.44
17) 2-Methylphenol	1.143	1.117	1.194	1.171	1.173	1.258	1.161	1.174	3.79
18) Hexachloroethane	0.609	0.587	0.626	0.596	0.588	0.629	0.573	0.601	3.43
19) P n-Nitroso-di-n...	1.191	1.128	1.195	1.174	1.156	1.235	1.114	1.171	3.57
20) 3+4-Methylphenols	1.558	1.524	1.645	1.633	1.601	1.738	1.610	1.616	4.23
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.538	0.499	0.517	0.500	0.503	0.528	0.483	0.510	3.69
23) S Nitrobenzene-d5	0.388	0.374	0.389	0.376	0.379	0.394	0.387	0.384	1.96
24) Nitrobenzene	0.394	0.374	0.389	0.374	0.378	0.392	0.360	0.380	3.18
25) Isophorone	0.729	0.698	0.732	0.710	0.718	0.750	0.689	0.718	2.91
26) C 2-Nitrophenol	0.173	0.171	0.193	0.186	0.190	0.202	0.189	0.186	5.91
27) 2,4-Dimethylph...	0.274	0.267	0.278	0.274	0.275	0.276	0.257	0.271	2.69
28) bis(2-Chloroet...	0.469	0.441	0.458	0.441	0.441	0.458	0.416	0.446	3.84
29) C 2,4-Dichloroph...	0.343	0.335	0.357	0.350	0.355	0.373	0.346	0.351	3.44
30) 1,2,4-Trichlor...	0.423	0.407	0.423	0.405	0.413	0.430	0.399	0.414	2.74
31) Naphthalene	1.106	1.040	1.077	1.046	1.050	1.092	0.999	1.058	3.41
32) Benzoic acid	0.192	0.197	0.222	0.223	0.233	0.241	0.230	0.220	8.44
33) 4-Chloroaniline	0.486	0.466	0.487	0.477	0.479	0.503	0.466	0.480	2.68
34) C Hexachlorobuta...	0.268	0.253	0.269	0.256	0.261	0.270	0.253	0.262	2.94
35) Caprolactam	0.106	0.104	0.103	0.113	0.108	0.121	0.114	0.110	5.94
36) C 4-Chloro-3-met...	0.359	0.345	0.358	0.357	0.356	0.378	0.349	0.358	2.88
37) 2-Methylnaphth...	0.845	0.798	0.823	0.809	0.808	0.845	0.772	0.814	3.22
38) 1-Methylnaphth...	0.813	0.762	0.785	0.769	0.771	0.800	0.737	0.777	3.27

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.751	0.723	0.794	0.743	0.769	0.793	0.726	0.757	3.85	
41) P	Hexachlorocycl...	0.397	0.406	0.489	0.453	0.472	0.448	0.407	0.439	8.23	
42) S	2,4,6-Tribromo...	0.364	0.354	0.369	0.381	0.372	0.407	0.380	0.375	4.50	
43) C	2,4,6-Trichlor...	0.480	0.471	0.522	0.501	0.510	0.533	0.489	0.501	4.48	
44)	2,4,5-Trichlor...	0.502	0.493	0.535	0.517	0.527	0.552	0.506	0.519	3.98	
45) S	2-Fluorobiphenyl	1.682	1.593	1.708	1.605	1.626	1.648	1.530	1.627	3.64	
46)	1,1'-Biphenyl	1.773	1.677	1.787	1.690	1.720	1.754	1.581	1.712	4.13	
47)	2-Chloronaphth...	1.422	1.357	1.445	1.378	1.390	1.434	1.304	1.390	3.55	
48)	2-Nitroaniline	0.358	0.357	0.388	0.386	0.386	0.408	0.379	0.380	4.71	
49)	Acenaphthylene	2.161	2.076	2.179	2.118	2.107	2.191	1.977	2.116	3.49	
50)	Dimethylphthalate	1.882	1.753	1.779	1.764	1.744	1.848	1.677	1.778	3.84	
51)	2,6-Dinitrotol...	0.375	0.368	0.383	0.383	0.382	0.408	0.379	0.383	3.31	
52) C	Acenaphthene	1.318	1.252	1.313	1.262	1.267	1.324	1.199	1.276	3.52	
53)	3-Nitroaniline	0.371	0.367	0.382	0.400	0.387	0.424	0.399	0.390	5.03	
54) P	2,4-Dinitrophenol	0.168	0.184	0.212	0.235	0.228		0.205		14.02	
55)	Dibenzofuran	2.178	2.052	2.112	2.067	2.052	2.154	1.961	2.082	3.51	
56) P	4-Nitrophenol	0.279	0.281	0.288	0.306	0.295	0.326	0.312	0.298	5.88	
57)	2,4-Dinitrotol...	0.504	0.501	0.514	0.541	0.523	0.575	0.540	0.528	4.95	
58)	Fluorene	1.761	1.657	1.712	1.707	1.684	1.776	1.612	1.701	3.36	
59)	2,3,4,6-Tetrac...	0.500	0.479	0.496	0.500	0.488	0.523	0.482	0.496	3.00	
60)	Diethylphthalate	1.846	1.728	1.728	1.768	1.710	1.815	1.664	1.751	3.59	
61)	4-Chlorophenyl...	0.982	0.929	0.969	0.959	0.953	1.009	0.928	0.961	2.98	
62)	4-Nitroaniline	0.390	0.394	0.401	0.430	0.402	0.432	0.416	0.409	4.17	
63)	Azobenzene	1.485	1.427	1.441	1.445	1.415	1.496	1.346	1.437	3.45	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.099	0.107	0.124	0.126	0.129	0.143	0.136	0.123	12.50	
66) c	n-Nitrosodiphe...	0.630	0.612	0.661	0.622	0.649	0.654	0.584	0.630	4.29	
67)	4-Bromophenyl-...	0.259	0.254	0.277	0.261	0.271	0.283	0.258	0.266	4.18	
68)	Hexachlorobenzene	0.317	0.304	0.333	0.311	0.322	0.336	0.304	0.318	4.08	
69)	Atrazine	0.233	0.223	0.227	0.216	0.203	0.189	0.145	0.205	14.84	
70) C	Pentachlorophenol	0.152	0.158	0.176	0.174	0.176	0.187	0.175	0.171	7.02	
71)	Phenanthrene	1.190	1.150	1.181	1.141	1.151	1.188	1.068	1.153	3.69	
72)	Anthracene	1.159	1.127	1.175	1.141	1.149	1.179	1.061	1.142	3.49	
73)	Carbazole	1.021	0.994	1.017	1.016	0.985	1.057	0.976	1.010	2.69	
74)	Di-n-butylphth...	1.261	1.224	1.268	1.268	1.214	1.303	1.112	1.236	5.04	
75) C	Fluoranthene	1.402	1.338	1.345	1.364	1.270	1.395	1.202	1.331	5.39	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.652	0.645	0.600	0.569	0.524	0.495	0.581		10.97	
78)	Pyrene	1.496	1.446	1.501	1.483	1.525	1.582	1.120	1.450	10.44	
79) S	Terphenyl-d14	1.110	1.062	1.096	1.081	1.080	0.996	1.071		3.75	
80)	Butylbenzylpht...	0.557	0.544	0.591	0.593	0.588	0.639	0.535	0.578	6.18	
81)	Benzo(a)anthra...	1.417	1.368	1.435	1.369	1.394	1.419	1.142	1.363	7.41	
82)	3,3'-Dichlorob...	0.528	0.520	0.555	0.516	0.523	0.519	0.454	0.516	5.91	
83)	Chrysene	1.380	1.307	1.371	1.312	1.320	1.349	1.052	1.299	8.66	
84)	Bis(2-ethylhex...	0.778	0.776	0.865	0.843	0.845	0.893	0.759	0.823	6.23	
85) c	Di-n-octyl pht...	1.223	1.242	1.426	1.327	1.373	1.377	1.090	1.294	8.97	
86)	Indeno(1,2,3-c...	1.387	1.428	1.641	1.385	1.558	1.405	1.255	1.437	8.78	

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87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.395	1.283	1.359	1.314	1.320	1.451	1.322	1.349	4.25
89)		Benzo(k)fluora...	1.265	1.257	1.299	1.298	1.284	1.451	1.274	1.304	5.12
90)	C	Benzo(a)pyrene	1.191	1.158	1.233	1.195	1.207	1.333	1.207	1.217	4.56
91)		Dibenzo(a,h)an...	1.175	1.166	1.280	1.191	1.252	1.320	1.113	1.214	5.98
92)		Benzo(g,h,i)pe...	1.091	1.087	1.202	1.108	1.174	1.235	1.027	1.132	6.52

(#) = Out of Range