

Method Path : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM010919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jan 10 05:57:41 2019
 Response Via : Initial Calibration

Calibration Files

2.5 =BM018463.D 10 =BM018464.D 25 =BM018465.D 40 =BM018466.D 50 =BM018467.D 60 =BM018468.D 80 =BM018469.D

Compound	2.5	10	25	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.471	0.472	0.442	0.440	0.429	0.429	0.407	0.441	5.32
3) Pyridine	1.065	1.079	1.161	1.164	1.150	1.066	1.020	1.101	5.18
4) n-Nitrosodimet...	0.378	0.443	0.455	0.478	0.481	0.480	0.471	0.455	8.07
5) S 2-Fluorophenol	1.044	1.095	1.096	1.106	1.107	1.087	1.046	1.083	2.46
6) Aniline	1.272	1.488	1.604	1.613	1.625	1.588	1.551	1.535	8.14
7) S Phenol-d6	1.289	1.358	1.422	1.411	1.409	1.393	1.349	1.376	3.42
8) 2-Chlorophenol	1.255	1.261	1.298	1.286	1.288	1.257	1.211	1.265	2.31
9) Benzaldehyde		0.958	0.896	0.778	0.738	0.681	0.567	0.770	18.51
10) C Phenol	1.350	1.414	1.429	1.423	1.418	1.399	1.352	1.398	2.38
11) bis(2-Chloroet...	1.077	1.109	1.134	1.121	1.106	1.089	1.053	1.098	2.52
12) 1,3-Dichlorobe...	1.586	1.568	1.516	1.503	1.501	1.466	1.406	1.507	4.03
13) C 1,4-Dichlorobe...	1.624	1.564	1.547	1.522	1.524	1.489	1.418	1.527	4.18
14) 1,2-Dichlorobe...	1.527	1.468	1.485	1.448	1.439	1.414	1.355	1.448	3.78
15) Benzyl Alcohol	0.887	0.949	1.019	1.028	1.039	1.025	1.007	0.994	5.58
16) 2,2'-oxybis(1-...	1.516	1.427	1.426	1.400	1.398	1.356	1.302	1.404	4.72
17) 2-Methylphenol	0.875	0.942	0.972	0.980	0.979	0.958	0.935	0.949	3.88
18) Hexachloroethane	0.575	0.547	0.551	0.541	0.543	0.534	0.519	0.544	3.15
19) P n-Nitroso-di-n...	0.835	0.907	0.942	0.917	0.911	0.888	0.866	0.895	3.98
20) 3+4-Methylphenols	1.176	1.290	1.361	1.360	1.356	1.329	1.297	1.310	5.03
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.494	0.487	0.506	0.498	0.492	0.497	0.490	0.495	1.25
23) S Nitrobenzene-d5	0.331	0.333	0.352	0.351	0.347	0.350	0.350	0.345	2.54
24) Nitrobenzene	0.334	0.329	0.349	0.343	0.341	0.338	0.342	0.339	1.89
25) Isophorone	0.454	0.490	0.547	0.541	0.537	0.541	0.547	0.522	6.90
26) C 2-Nitrophenol	0.121	0.143	0.164	0.176	0.177	0.181	0.186	0.164	14.42
27) 2,4-Dimethylph...	0.219	0.236	0.252	0.253	0.253	0.255	0.255	0.246	5.50
28) bis(2-Chloroet...	0.348	0.348	0.370	0.368	0.362	0.364	0.364	0.361	2.51
29) C 2,4-Dichloroph...	0.237	0.270	0.303	0.309	0.309	0.311	0.312	0.293	9.84
30) 1,2,4-Trichlor...	0.376	0.360	0.365	0.362	0.361	0.361	0.362	0.364	1.52
31) Naphthalene	0.981	0.953	0.972	0.966	0.956	0.958	0.957	0.963	1.07
32) Benzoic acid		0.093	0.139	0.155	0.163	0.170	0.179	0.150	20.72
33) 4-Chloroaniline	0.283	0.355	0.401	0.404	0.402	0.402	0.407	0.379	12.12
34) C Hexachlorobuta...	0.236	0.226	0.229	0.228	0.229	0.231	0.229	0.230	1.35
35) Caprolactam		0.078	0.098	0.105	0.105	0.102	0.109	0.100	11.27
36) C 4-Chloro-3-met...	0.235	0.285	0.325	0.326	0.324	0.325	0.331	0.307	11.50
37) 2-Methylnaphth...	0.670	0.670	0.702	0.686	0.682	0.675	0.679	0.681	1.64
38) 1-Methylnaphth...	0.649	0.649	0.679	0.667	0.656	0.654	0.656	0.658	1.62

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.684	0.693	0.697	0.701	0.703	0.710	0.708	0.699	1.25	
41) P	Hexachlorocycl...	0.308	0.356	0.377	0.402	0.405	0.420	0.419	0.384	10.54	
42) S	2,4,6-Tribromo...	0.181	0.236	0.265	0.269	0.273	0.276	0.282	0.255	14.02	
43) C	2,4,6-Trichlor...	0.316	0.393	0.434	0.445	0.457	0.463	0.466	0.425	12.72	
44)	2,4,5-Trichlor...	0.317	0.424	0.459	0.470	0.478	0.487	0.493	0.447	13.74	
45) S	2-Fluorobiphenyl	1.544	1.550	1.545	1.533	1.522	1.533	1.504	1.533	1.03	
46)	1,1'-Biphenyl	1.750	1.744	1.761	1.743	1.736	1.751	1.737	1.746	0.50	
47)	2-Chloronaphth...	1.377	1.334	1.358	1.352	1.344	1.362	1.352	1.354	1.00	
48)	2-Nitroaniline	0.257	0.300	0.338	0.353	0.355	0.362	0.367	0.333	12.09	
49)	Acenaphthylene	1.800	1.938	2.015	1.998	2.022	2.026	2.015	1.973	4.16	
50)	Dimethylphthalate	1.525	1.621	1.690	1.666	1.666	1.665	1.666	1.643	3.40	
51)	2,6-Dinitrotol...	0.275	0.327	0.361	0.362	0.368	0.370	0.373	0.348	10.32	
52) C	Acenaphthene	1.191	1.195	1.207	1.204	1.212	1.226	1.217	1.207	1.00	
53)	3-Nitroaniline	0.253	0.317	0.362	0.372	0.378	0.384	0.390	0.351	14.09	
54) P	2,4-Dinitrophenol		0.101	0.142	0.162	0.170	0.183	0.193	0.158	20.93	
55)	Dibenzofuran	1.991	2.015	2.020	1.998	1.973	1.992	1.976	1.995	0.89	
56) P	4-Nitrophenol		0.235	0.301	0.315	0.319	0.322	0.327	0.303	11.30	
57)	2,4-Dinitrotol...		0.420	0.494	0.504	0.506	0.510	0.520	0.492	7.45	
58)	Fluorene	1.415	1.464	1.500	1.502	1.498	1.515	1.509	1.486	2.39	
59)	2,3,4,6-Tetrac...	0.308	0.371	0.409	0.412	0.419	0.423	0.428	0.396	10.83	
60)	Diethylphthalate	1.478	1.622	1.714	1.698	1.692	1.698	1.704	1.658	5.14	
61)	4-Chlorophenyl...	0.838	0.861	0.862	0.858	0.857	0.862	0.858	0.857	0.99	
62)	4-Nitroaniline		0.332	0.388	0.399	0.404	0.383	0.390	0.383	6.78	
63)	Azobenzene	1.121	1.335	1.412	1.394	1.389	1.399	1.412	1.352	7.77	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.086	0.110	0.119	0.126	0.131	0.135	0.118	15.38	
66) c	n-Nitrosodiphe...	0.563	0.609	0.629	0.633	0.634	0.642	0.633	0.620	4.37	
67)	4-Bromophenyl-...	0.212	0.214	0.224	0.225	0.229	0.232	0.232	0.224	3.57	
68)	Hexachlorobenzene	0.252	0.246	0.248	0.249	0.251	0.253	0.254	0.251	1.21	
69)	Atrazine	0.181	0.216	0.233	0.235	0.235	0.237	0.232	0.224	9.02	
70) C	Pentachlorophenol		0.132	0.159	0.167	0.171	0.177	0.179	0.164	10.69	
71)	Phenanthrene	1.063	1.055	1.068	1.059	1.068	1.073	1.059	1.064	0.59	
72)	Anthracene	0.929	0.978	1.044	1.049	1.050	1.061	1.051	1.023	4.88	
73)	Carbazole	0.914	1.022	1.083	1.083	1.079	1.090	1.084	1.051	6.16	
74)	Di-n-butylphth...	0.864	1.046	1.193	1.222	1.231	1.253	1.250	1.151	12.63	
75) C	Fluoranthene	1.160	1.183	1.243	1.244	1.247	1.257	1.251	1.226	3.11	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.466	0.462	0.485	0.574	0.513	0.521	0.436	0.494	9.31	
78)	Pyrene	1.086	1.152	1.205	1.216	1.216	1.217	1.207	1.185	4.20	
79) S	Terphenyl-d14	0.945	0.974	1.004	0.981	0.982	0.940	0.816	0.949	6.60	
80)	Butylbenzylpht...		0.419	0.490	0.513	0.527	0.538	0.547	0.506	9.27	
81)	Benzo(a)anthra...	1.134	1.151	1.200	1.201	1.189	1.194	1.179	1.178	2.19	
82)	3,3'-Dichlorob...	0.373	0.416	0.462	0.470	0.467	0.472	0.458	0.446	8.33	
83)	Chrysene	1.102	1.125	1.167	1.144	1.158	1.143	1.124	1.138	1.95	
84)	Bis(2-ethylhex...		0.595	0.717	0.745	0.765	0.780	0.781	0.730	9.67	
85) c	Di-n-octyl pht...		1.010	1.205	1.258	1.284	1.309	1.306	1.229	9.25	
86)	Indeno(1,2,3-c...	1.221	1.263	1.323	1.334	1.331	1.363	1.349	1.312	3.89	

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87) I	Perylene-d12										
88)	Benzo(b)fluora...	1.030	1.107	1.143	1.132	1.194	1.185	1.156	1.135	4.87	
89)	Benzo(k)fluora...	1.091	1.101	1.174	1.179	1.138	1.154	1.173	1.144	3.14	
90) C	Benzo(a)pyrene	0.991	1.033	1.101	1.107	1.121	1.125	1.131	1.087	4.97	
91)	Dibenzo(a,h)an...	1.025	1.071	1.112	1.113	1.123	1.135	1.131	1.101	3.58	
92)	Benzo(g,h,i)pe...	1.020	1.029	1.071	1.083	1.093	1.101	1.106	1.072	3.21	

(#) = Out of Range