

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF083019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF116654.D 20 =BF116655.D 40 =BF116656.D 50 =BF116657.D 60 =BF116658.D 80 =BF116659.D 100 =BF116660.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.622	0.587	0.575	0.549	0.567	0.552	0.537	0.570	4.99
3)	Pyridine	1.747	1.686	1.678	1.625	1.611	1.608	1.595	1.650	3.35
4)	n-Nitrosodimet...	0.601	0.565	0.574	0.548	0.568	0.559	0.551	0.567	3.14
5) S	2-Fluorophenol	1.474	1.348	1.235	1.182	1.162	1.148	1.092	1.235	10.77
6)	Aniline	2.586	2.386	2.315	2.159	2.183	2.085	2.003	2.245	8.85
7) S	Phenol-d6	1.894	1.750	1.645	1.551	1.557	1.501	1.450	1.621	9.58
8)	2-Chlorophenol	1.603	1.465	1.371	1.298	1.275	1.232	1.190	1.348	10.73
9)	Benzaldehyde	1.339	1.190	1.020	0.936	0.855			1.068	18.33
10) C	Phenol	2.141	1.957	1.835	1.729	1.691	1.640	1.572	1.795	11.06
11)	bis(2-Chloroet...	1.612	1.486	1.414	1.335	1.356	1.317	1.263	1.398	8.49
12)	1,3-Dichlorobe...	1.801	1.673	1.530	1.460	1.446	1.403	1.349	1.523	10.55
13) C	1,4-Dichlorobe...	1.795	1.654	1.543	1.465	1.437	1.394	1.327	1.516	10.66
14)	1,2-Dichlorobe...	1.712	1.573	1.427	1.338	1.320	1.259	1.208	1.405	12.82
15)	Benzyl Alcohol	1.510	1.392	1.342	1.280	1.277	1.228	1.183	1.316	8.35
16)	2,2'-oxybis(1-...	1.892	1.734	1.683	1.564	1.600	1.520	1.485	1.640	8.62
17)	2-Methylphenol	1.353	1.248	1.185	1.132	1.144	1.113	1.082	1.180	7.90
18)	Hexachloroethane	0.677	0.627	0.602	0.562	0.569	0.553	0.535	0.589	8.41
19) P	n-Nitroso-di-n...	1.229	1.134	1.076	1.008	1.041	0.992	0.992	1.067	8.24
20)	3+4-Methylphenols	1.680	1.543	1.413	1.307	1.269	1.223	1.167	1.372	13.46
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.591	0.537	0.484	0.459	0.444	0.437	0.420	0.482	12.77
23) S	Nitrobenzene-d5	0.370	0.354	0.351	0.344	0.347	0.347	0.340	0.350	2.77
24)	Nitrobenzene	0.379	0.364	0.364	0.353	0.349	0.347	0.338	0.356	3.84
25)	Isophorone	0.819	0.733	0.706	0.678	0.692	0.675	0.666	0.710	7.50
26) C	2-Nitrophenol	0.120	0.121	0.132	0.134	0.139	0.139	0.142	0.132	6.60
27)	2,4-Dimethylph...	0.312	0.288	0.271	0.255	0.255	0.249	0.243	0.268	9.26
28)	bis(2-Chloroet...	0.515	0.462	0.438	0.416	0.408	0.405	0.392	0.434	9.82
29) C	2,4-Dichloroph...	0.295	0.270	0.261	0.245	0.246	0.246	0.237	0.257	7.79
30)	1,2,4-Trichlor...	0.337	0.301	0.283	0.267	0.261	0.256	0.246	0.279	11.30
31)	Naphthalene	1.160	1.053	0.967	0.915	0.881	0.863	0.819	0.951	12.55
32)	Benzoic acid	0.123	0.131	0.130	0.154	0.170	0.172	0.179	0.151	15.34
33)	4-Chloroaniline	0.535	0.464	0.434	0.413	0.408	0.394	0.382	0.433	12.13
34) C	Hexachlorobuta...	0.184	0.168	0.152	0.146	0.141	0.140	0.133	0.152	11.75
35)	Caprolactam	0.114	0.100	0.096	0.091	0.093	0.090	0.089	0.096	9.24
36) C	4-Chloro-3-met...	0.339	0.310	0.298	0.283	0.285	0.280	0.273	0.296	7.70
37)	2-Methylnaphth...	0.779	0.701	0.645	0.607	0.587	0.567	0.542	0.633	13.18
38)	1-Methylnaphth...	0.736	0.665	0.601	0.574	0.554	0.539	0.512	0.597	13.16

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.609	0.541	0.483	0.454	0.443	0.426	0.400	0.479	15.19	
41) P	Hexachlorocycl...	0.306	0.288	0.282	0.270	0.271	0.265	0.257	0.277	5.87	
42) S	2,4,6-Tribromo...	0.154	0.142	0.133	0.128	0.129	0.128	0.123	0.134	7.91	
43) C	2,4,6-Trichlor...	0.364	0.346	0.335	0.317	0.319	0.315	0.304	0.329	6.33	
44)	2,4,5-Trichlor...	0.390	0.362	0.339	0.328	0.333	0.324	0.311	0.341	7.84	
45) S	2-Fluorobiphenyl	1.569	1.372	1.177	1.103	1.063	1.039	0.977	1.186	17.86	
46)	1,1'-Biphenyl	1.912	1.714	1.536	1.455	1.388	1.340	1.278	1.518	14.84	
47)	2-Chloronaphth...	1.473	1.334	1.231	1.136	1.121	1.086	1.032	1.202	12.94	
48)	2-Nitroaniline	0.301	0.327	0.349	0.350	0.374	0.372	0.359	0.348	7.43	
49)	Acenaphthylene	2.251	2.042	1.840	1.724	1.693	1.636	1.532	1.817	13.81	
50)	Dimethylphthalate	1.690	1.515	1.389	1.299	1.298	1.253	1.221	1.381	12.16	
51)	2,6-Dinitrotol...	0.252	0.261	0.270	0.263	0.271	0.267	0.262	0.263	2.46	
52) C	Acenaphthene	1.360	1.229	1.125	1.066	1.047	1.016	0.971	1.116	12.16	
53)	3-Nitroaniline	0.327	0.325	0.338	0.327	0.341	0.332	0.322	0.330	2.18	
54) P	2,4-Dinitrophenol	0.049	0.058	0.075	0.075	0.093	0.094	0.098	0.077	24.28	
55)	Dibenzofuran	1.970	1.767	1.601	1.494	1.456	1.401	1.327	1.574	14.35	
56) P	4-Nitrophenol	0.211	0.215	0.230	0.224	0.241	0.238	0.225	0.226	4.83	
57)	2,4-Dinitrotol...	0.275	0.303	0.328	0.325	0.345	0.348	0.331	0.322	8.00	
58)	Fluorene	1.549	1.357	1.190	1.137	1.100	1.053	1.009	1.199	15.92	
59)	2,3,4,6-Tetrac...	0.284	0.251	0.246	0.236	0.243	0.237	0.226	0.246	7.45	
60)	Diethylphthalate	1.684	1.552	1.398	1.311	1.294	1.251	1.191	1.383	12.76	
61)	4-Chlorophenyl...	0.683	0.603	0.525	0.500	0.475	0.457	0.433	0.525	16.94	
62)	4-Nitroaniline	0.298	0.303	0.320	0.318	0.342	0.337	0.324	0.320	5.08	
63)	Azobenzene	1.732	1.579	1.452	1.371	1.372	1.329	1.261	1.442	11.26	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.047	0.050	0.066	0.070	0.080	0.079	0.081	0.068	21.03	
66) c	n-Nitrosodiphe...	0.846	0.759	0.701	0.660	0.648	0.618	0.611	0.692	12.26	
67)	4-Bromophenyl-...	0.253	0.220	0.207	0.195	0.191	0.179	0.178	0.203	12.98	
68)	Hexachlorobenzene	0.262	0.233	0.214	0.203	0.198	0.189	0.188	0.213	12.69	
69)	Atrazine	0.246	0.219	0.194	0.190	0.179	0.167	0.161	0.194	15.48	
70) C	Pentachlorophenol	0.105	0.098	0.104	0.102	0.105	0.104	0.102	0.103	2.63	
71)	Phenanthrene	1.427	1.243	1.131	1.059	1.006	0.980	0.947	1.113	15.37	
72)	Anthracene	1.434	1.246	1.129	1.072	1.027	0.982	0.956	1.121	15.07	
73)	Carbazole	1.351	1.189	1.070	1.023	0.987	0.950	0.903	1.068	14.52	
74)	Di-n-butylphth...	1.780	1.551	1.381	1.301	1.226	1.200	1.141	1.369	16.54	
75) C	Fluoranthene	1.424	1.232	1.095	1.043	0.996	0.969	0.900	1.094	16.41	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	1.000	0.872	0.766	0.798	0.775	0.656	0.623	0.784	16.24	
78)	Pyrene	1.946	1.830	1.890	1.684	1.752	1.640	1.704	1.778	6.40	
79) S	Terphenyl-d14	1.267	1.162	1.127	1.011	1.026	0.962	1.012	1.081	10.00	
80)	Butylbenzylphth...	0.919	0.890	0.884	0.826	0.858	0.831	0.843	0.865	3.98	
81)	Benzo(a)anthra...	1.551	1.390	1.275	1.208	1.185	1.145	1.106	1.266	12.35	
82)	3,3'-Dichlorob...	0.522	0.477	0.445	0.412	0.400	0.382	0.358	0.428	13.39	
83)	Chrysene	1.560	1.435	1.315	1.236	1.213	1.201	1.169	1.304	11.05	
84)	Bis(2-ethylhex...	1.241	1.150	1.065	1.002	1.026	0.999	0.988	1.067	8.88	
85) c	Di-n-octyl pht...	2.048	1.884	1.708	1.670	1.678	1.656	1.581	1.747	9.29	
86)	Indeno(1,2,3-c...	1.127	1.028	1.048	0.954	1.075	0.961	1.139	1.047	6.99	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.456	1.287	1.171	1.159	1.090	1.203	1.099	1.209	10.53
89)	Benzo(k)fluora...	1.296	1.251	1.181	1.049	1.054	0.967	0.919	1.102	12.99
90) C	Benzo(a)pyrene	1.237	1.122	1.063	1.008	0.995	0.995	0.944	1.052	9.46
91)	Dibenzo(a,h)an...	0.981	0.921	0.950	0.859	0.919	0.878	0.939	0.921	4.55
92)	Benzo(g,h,i)pe...	0.953	0.871	0.972	0.867	0.981	0.913	1.017	0.939	6.10

(#) = Out of Range