

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF120619.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 =BF118112.D 20 =BF118113.D 40 =BF118114.D 50 =BF118115.D 60 =BF118116.D 80 =BF118117.D 100 =BF118118.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.534	0.495	0.478	0.488	0.466	0.461	0.449	0.481	5.80
3)	Pyridine	1.348	1.315	1.246	1.241	1.217	1.185	1.144	1.242	5.69
4)	n-Nitrosodimet...	0.568	0.537	0.527	0.544	0.522	0.522	0.520	0.534	3.20
5) S	2-Fluorophenol	1.307	1.234	1.144	1.136	1.096	1.056	1.020	1.142	8.78
6)	Aniline	1.997	1.903	1.796	1.768	1.697	1.643	1.564	1.767	8.45
7) S	Phenol-d6	1.589	1.483	1.391	1.373	1.316	1.280	1.237	1.381	8.82
8)	2-Chlorophenol	1.484	1.399	1.293	1.279	1.236	1.184	1.138	1.288	9.34
9)	Benzaldehyde	1.014	0.894	0.725	0.669	0.611	0.540	0.464	0.702	27.70
10) C	Phenol	1.786	1.684	1.593	1.561	1.513	1.468	1.422	1.575	8.01
11)	bis(2-Chloroet...	1.276	1.199	1.123	1.138	1.104	1.075	1.059	1.139	6.64
12)	1,3-Dichlorobe...	1.737	1.606	1.512	1.488	1.449	1.393	1.343	1.504	8.84
13) C	1,4-Dichlorobe...	1.742	1.630	1.529	1.523	1.444	1.401	1.334	1.515	9.16
14)	1,2-Dichlorobe...	1.653	1.542	1.439	1.420	1.364	1.298	1.240	1.422	9.96
15)	Benzyl Alcohol	1.213	1.156	1.098	1.070	1.039	1.007	0.964	1.078	7.97
16)	2,2'-oxybis(1-...	1.560	1.472	1.383	1.370	1.312	1.272	1.218	1.370	8.57
17)	2-Methylphenol	1.164	1.074	1.020	1.020	0.991	0.961	0.939	1.024	7.40
18)	Hexachloroethane	0.634	0.589	0.560	0.558	0.540	0.521	0.505	0.558	7.74
19) P	n-Nitroso-di-n...	0.953	0.900	0.836	0.831	0.807	0.785	0.764	0.839	7.89
20)	3+4-Methylphenols	1.496	1.420	1.318	1.264	1.224	1.178	1.105	1.286	10.62
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.544	0.502	0.467	0.476	0.465	0.463	0.447	0.480	6.83
23) S	Nitrobenzene-d5	0.385	0.364	0.342	0.358	0.349	0.349	0.342	0.356	4.28
24)	Nitrobenzene	0.382	0.359	0.337	0.347	0.340	0.345	0.335	0.349	4.69
25)	Isophorone	0.652	0.617	0.578	0.600	0.590	0.596	0.586	0.603	4.11
26) C	2-Nitrophenol	0.190	0.189	0.181	0.192	0.185	0.187	0.183	0.187	1.95
27)	2,4-Dimethylph...	0.266	0.254	0.240	0.251	0.245	0.245	0.242	0.249	3.51
28)	bis(2-Chloroet...	0.431	0.412	0.379	0.392	0.386	0.382	0.374	0.394	5.23
29) C	2,4-Dichloroph...	0.316	0.302	0.283	0.292	0.283	0.282	0.274	0.290	5.02
30)	1,2,4-Trichlor...	0.374	0.357	0.329	0.337	0.330	0.327	0.321	0.339	5.62
31)	Naphthalene	1.126	1.067	0.982	1.005	0.976	0.952	0.922	1.004	6.98
32)	Benzoic acid	0.196	0.213	0.222	0.236	0.231	0.240	0.237	0.225	7.17
33)	4-Chloroaniline	0.472	0.450	0.413	0.432	0.425	0.428	0.417	0.434	4.73
34) C	Hexachlorobuta...	0.219	0.213	0.200	0.203	0.199	0.198	0.192	0.203	4.69
35)	Caprolactam	0.095	0.092	0.087	0.090	0.090	0.090	0.082	0.090	4.50
36) C	4-Chloro-3-met...	0.334	0.318	0.297	0.304	0.299	0.298	0.289	0.305	5.08
37)	2-Methylnaphth...	0.764	0.721	0.661	0.674	0.664	0.655	0.621	0.680	7.00
38)	1-Methylnaphth...	0.725	0.680	0.624	0.629	0.620	0.612	0.581	0.638	7.54

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.665	0.630	0.592	0.607	0.591	0.579	0.577	0.606	5.29	
41) P	Hexachlorocycl...	0.197	0.246	0.269	0.291	0.294	0.299	0.305	0.271	14.29	
42) S	2,4,6-Tribromo...	0.266	0.253	0.235	0.241	0.240	0.233	0.232	0.243	5.12	
43) C	2,4,6-Trichlor...	0.426	0.420	0.399	0.410	0.399	0.391	0.388	0.405	3.57	
44)	2,4,5-Trichlor...	0.457	0.439	0.406	0.416	0.412	0.405	0.400	0.419	4.95	
45) S	2-Fluorobiphenyl	1.565	1.441	1.276	1.291	1.257	1.191	1.179	1.314	10.67	
46)	1,1'-Biphenyl	1.791	1.665	1.545	1.578	1.522	1.482	1.457	1.577	7.36	
47)	2-Chloronaphth...	1.403	1.329	1.241	1.257	1.248	1.214	1.190	1.269	5.77	
48)	2-Nitroaniline	0.375	0.370	0.348	0.366	0.363	0.357	0.353	0.362	2.71	
49)	Acenaphthylene	2.137	1.996	1.835	1.844	1.814	1.782	1.692	1.871	7.92	
50)	Dimethylphthalate	1.641	1.534	1.426	1.446	1.446	1.425	1.423	1.477	5.54	
51)	2,6-Dinitrotol...	0.343	0.328	0.309	0.320	0.315	0.318	0.314	0.321	3.55	
52) C	Acenaphthene	1.296	1.204	1.106	1.122	1.119	1.084	1.065	1.142	7.07	
53)	3-Nitroaniline	0.400	0.385	0.370	0.377	0.381	0.372	0.361	0.378	3.30	
54) P	2,4-Dinitrophenol	0.117	0.146	0.153	0.168	0.174	0.178	0.183	0.160	14.50	
55)	Dibenzofuran	1.946	1.797	1.626	1.662	1.615	1.563	1.508	1.674	8.97	
56) P	4-Nitrophenol	0.254	0.262	0.253	0.271	0.269	0.263	0.264	0.262	2.63	
57)	2,4-Dinitrotol...	0.457	0.435	0.418	0.433	0.435	0.419	0.406	0.429	3.83	
58)	Fluorene	1.537	1.429	1.299	1.299	1.287	1.256	1.203	1.330	8.59	
59)	2,3,4,6-Tetrac...	0.386	0.363	0.338	0.342	0.345	0.327	0.320	0.346	6.47	
60)	Diethylphthalate	1.629	1.537	1.405	1.425	1.427	1.390	1.376	1.455	6.37	
61)	4-Chlorophenyl...	0.774	0.725	0.657	0.657	0.646	0.625	0.602	0.669	8.91	
62)	4-Nitroaniline	0.415	0.412	0.385	0.392	0.388	0.388	0.380	0.394	3.44	
63)	Azobenzene	1.400	1.312	1.203	1.212	1.224	1.181	1.165	1.243	6.74	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.091	0.105	0.110	0.116	0.116	0.119	0.118	0.110	9.09	
66) c	n-Nitrosodiphe...	0.687	0.662	0.604	0.629	0.599	0.608	0.583	0.625	5.98	
67)	4-Bromophenyl-...	0.245	0.240	0.222	0.230	0.223	0.221	0.217	0.228	4.66	
68)	Hexachlorobenzene	0.286	0.281	0.261	0.269	0.264	0.265	0.256	0.269	3.97	
69)	Atrazine	0.215	0.201	0.172	0.156	0.145	0.127	0.093	0.158	26.59	
70) C	Pentachlorophenol	0.116	0.123	0.128	0.133	0.131	0.130	0.122	0.126	4.67	
71)	Phenanthrene	1.204	1.151	1.039	1.050	1.026	1.004	0.969	1.063	7.86	
72)	Anthracene	1.203	1.158	1.032	1.054	1.021	0.993	0.964	1.061	8.26	
73)	Carbazole	1.075	1.028	0.927	0.940	0.923	0.896	0.871	0.952	7.68	
74)	Di-n-butylphth...	1.363	1.295	1.172	1.172	1.154	1.108	1.074	1.191	8.60	
75) C	Fluoranthene	1.243	1.183	1.062	1.072	1.065	1.022	0.964	1.087	8.75	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.611	0.527	0.523	0.549	0.531	0.417	0.527		11.89	
78)	Pyrene	1.612	1.560	1.486	1.601	1.561	1.592	1.619	1.576	2.91	
79) S	Terphenyl-d14	1.275	1.193	1.104	1.166	1.116	1.137	1.150	1.163	4.97	
80)	Butylbenzylphth...	0.717	0.706	0.688	0.720	0.711	0.726	0.727	0.714	1.91	
81)	Benzo(a)anthra...	1.518	1.431	1.335	1.386	1.354	1.354	1.303	1.383	5.19	
82)	3,3'-Dichlorob...	0.554	0.499	0.440	0.434	0.417	0.382	0.454		13.61	
83)	Chrysene	1.459	1.390	1.274	1.311	1.292	1.280	1.242	1.321	5.79	
84)	Bis(2-ethylhex...	0.974	0.953	0.912	0.941	0.949	0.934	0.926	0.941	2.12	
85) c	Di-n-octyl pht...	1.576	1.493	1.395	1.426	1.421	1.373	1.297	1.426	6.23	
86)	Indeno(1,2,3-c...	1.339	1.072	0.950	1.035	1.051	1.123	1.210	1.112	11.54	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.335	1.352	1.351	1.320	1.305	1.301	1.296	1.323	1.79
89)	Benzo(k)fluora...	1.380	1.317	1.198	1.300	1.285	1.269	1.145	1.271	6.12
90) C	Benzo(a)pyrene	1.237	1.187	1.132	1.166	1.158	1.171	1.129	1.168	3.14
91)	Dibenzo(a,h)an...	1.061	0.926	0.892	0.982	1.002	1.067	1.084	1.002	7.36
92)	Benzo(g,h,i)pe...	0.983	0.837	0.841	0.960	0.970	1.057	1.092	0.963	10.12

(#) = Out of Range