

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF082319.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 =BF116469.D 20 =BF116470.D 40 =BF116471.D 50 =BF116472.D 60 =BF116473.D 80 =BF116474.D 100 =BF116475.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.641	0.590	0.571	0.550	0.565	0.554	0.677	0.593	8.18
3)	Pyridine	1.882	1.724	1.648	1.651	1.717	1.679	2.333	1.805	13.62
4)	n-Nitrosodimet...	0.683	0.659	0.653	0.649	0.663	0.646		0.659	1.99
5) S	2-Fluorophenol	1.476	1.367	1.295	1.248	1.234	1.209	1.752	1.369	14.05
6)	Aniline	2.498	2.319	2.226	2.129	2.191	2.087	2.456	2.272	6.97
7) S	Phenol-d6	1.876	1.737	1.652	1.562	1.599	1.515	1.807	1.678	7.93
8)	2-Chlorophenol	1.567	1.436	1.344	1.295	1.329	1.274	1.810	1.436	13.44
9)	Benzaldehyde	1.352	1.236	1.135	1.033	1.031	0.941		1.121	13.52
10) C	Phenol	1.919	1.788	1.727	1.656	1.821	1.728	2.118	1.823	8.49
11)	bis(2-Chloroet...	1.584	1.435	1.341	1.319	1.357	1.290		1.388	7.78
12)	1,3-Dichlorobe...	1.771	1.631	1.524	1.460	1.505	1.438		1.555	8.08
13) C	1,4-Dichlorobe...	1.791	1.642	1.529	1.448	1.502	1.455	1.108	1.496	14.01
14)	1,2-Dichlorobe...	1.696	1.558	1.455	1.346	1.385	1.306	1.136	1.412	12.82
15)	Benzyl Alcohol	1.448	1.352	1.328	1.262	1.296	1.237	1.584	1.358	8.90
16)	2,2'-oxybis(1-...	2.170	1.955	1.842	1.772	1.798	1.746	2.147	1.919	9.23
17)	2-Methylphenol	1.291	1.236	1.179	1.118	1.160	1.125	1.221	1.190	5.28
18)	Hexachloroethane	0.629	0.599	0.582	0.557	0.576	0.558		0.584	4.65
19) P	n-Nitroso-di-n...	1.240	1.117	1.057	1.036	1.061	1.032	1.473	1.145	14.13
20)	3+4-Methylphenols	1.711	1.588	1.494	1.377	1.396	1.308	1.331	1.458	10.14
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.596	0.536	0.476	0.479	0.467	0.447		0.500	11.09
23) S	Nitrobenzene-d5	0.369	0.367	0.355	0.358	0.354	0.350	0.406	0.366	5.22
24)	Nitrobenzene	0.396	0.385	0.372	0.369	0.364	0.356	0.408	0.379	4.90
25)	Isophorone	0.781	0.718	0.658	0.673	0.667	0.666	0.881	0.720	11.53
26) C	2-Nitrophenol	0.114	0.127	0.136	0.146	0.153	0.153		0.138	11.23
27)	2,4-Dimethylph...	0.321	0.287	0.267	0.272	0.270	0.264	0.339	0.289	10.34
28)	bis(2-Chloroet...	0.501	0.453	0.411	0.417	0.410	0.402	0.520	0.445	10.82
29) C	2,4-Dichloroph...	0.306	0.286	0.266	0.267	0.263	0.256	0.277	0.274	6.21
30)	1,2,4-Trichlor...	0.372	0.340	0.311	0.305	0.302	0.292	0.240	0.309	13.30
31)	Naphthalene	1.155	1.056	0.959	0.921	0.912	0.875	0.894	0.968	10.53
32)	Benzoic acid	0.147	0.174	0.194	0.187	0.221			0.184	14.83
33)	4-Chloroaniline	0.500	0.460	0.421	0.407	0.403	0.393	0.389	0.425	9.66
34) C	Hexachlorobuta...	0.199	0.188	0.167	0.165	0.166	0.163	0.132	0.168	12.63
35)	Caprolactam	0.101	0.095	0.090	0.091	0.090	0.090	0.112	0.096	8.87
36) C	4-Chloro-3-met...	0.333	0.312	0.295	0.293	0.287	0.285	0.361	0.310	9.20
37)	2-Methylnaphth...	0.765	0.707	0.631	0.613	0.610	0.576	0.748	0.664	11.25
38)	1-Methylnaphth...	0.728	0.657	0.596	0.582	0.572	0.546	0.664	0.621	10.36

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.650	0.583	0.538	0.512	0.518	0.495	0.471	0.538	11.26	
41) P	Hexachlorocycl...	0.308	0.297	0.281	0.284	0.293	0.284	0.279	0.290	3.57	
42) S	2,4,6-Tribromo...	0.198	0.187	0.175	0.171	0.178	0.174	0.119	0.172	14.54	
43) C	2,4,6-Trichlor...	0.414	0.391	0.376	0.361	0.382	0.360	0.352	0.377	5.72	
44)	2,4,5-Trichlor...	0.441	0.395	0.381	0.369	0.372	0.364	0.359	0.383	7.37	
45) S	2-Fluorobiphenyl	1.571	1.371	1.225	1.157	1.148	1.067	1.154	1.242	13.92	
46)	1,1'-Biphenyl	1.907	1.711	1.564	1.503	1.492	1.400	1.616	1.599	10.50	
47)	2-Chloronaphth...	1.448	1.303	1.216	1.164	1.165	1.103	1.278	1.240	9.28	
48)	2-Nitroaniline	0.336	0.353	0.369	0.381	0.383	0.378	0.457	0.380	10.02	
49)	Acenaphthylene	2.161	1.954	1.817	1.758	1.724	1.631	1.652	1.814	10.34	
50)	Dimethylphthalate	1.686	1.484	1.363	1.343	1.329	1.296	1.268	1.395	10.43	
51)	2,6-Dinitrotol...	0.287	0.289	0.284	0.286	0.289	0.285	0.280	0.286	1.13	
52) C	Acenaphthene	1.362	1.224	1.150	1.107	1.122	1.067	1.115	1.164	8.58	
53)	3-Nitroaniline	0.355	0.346	0.346	0.342	0.342	0.332	0.322	0.340	3.14	
54) P	2,4-Dinitrophenol	0.059	0.070	0.089	0.097	0.110	0.115	0.090		24.85	
55)	Dibenzofuran	1.942	1.736	1.607	1.561	1.534	1.465	1.511	1.622	10.21	
56) P	4-Nitrophenol	0.259	0.263	0.269	0.263	0.270	0.263	0.266	0.265	1.51	
57)	2,4-Dinitrotol...	0.336	0.346	0.358	0.371	0.378	0.379	0.376	0.363	4.71	
58)	Fluorene	1.554	1.347	1.220	1.176	1.160	1.106	1.260		13.13	
59)	2,3,4,6-Tetrac...	0.364	0.342	0.320	0.311	0.316	0.308	0.241	0.315	12.12	
60)	Diethylphthalate	1.673	1.485	1.354	1.346	1.321	1.299	1.122	1.372	12.45	
61)	4-Chlorophenyl...	0.750	0.665	0.591	0.572	0.570	0.542	0.615		12.67	
62)	4-Nitroaniline	0.349	0.344	0.343	0.333	0.341	0.342	0.279	0.333	7.27	
63)	Azobenzene	1.729	1.516	1.404	1.411	1.363	1.303	1.143	1.410	12.88	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.049	0.061	0.072	0.081	0.085	0.089	0.073		21.13	
66) c	n-Nitrosodiphe...	0.759	0.690	0.635	0.609	0.610	0.583	0.648		10.16	
67)	4-Bromophenyl-...	0.248	0.223	0.204	0.201	0.204	0.199	0.189	0.210	9.38	
68)	Hexachlorobenzene	0.271	0.245	0.223	0.217	0.219	0.216	0.232		9.40	
69)	Atrazine	0.236	0.216	0.192	0.190	0.191	0.189	0.144	0.194	14.61	
70) C	Pentachlorophenol	0.140	0.139	0.134	0.134	0.137	0.135	0.129	0.135	2.66	
71)	Phenanthrene	1.342	1.200	1.088	1.038	1.021	0.981	0.956	1.090	12.59	
72)	Anthracene	1.344	1.204	1.094	1.045	1.025	0.987	0.965	1.095	12.36	
73)	Carbazole	1.179	1.086	0.988	0.950	0.928	0.884	0.864	0.983	11.55	
74)	Di-n-butylphth...	1.507	1.341	1.168	1.176	1.127	1.112	1.093	1.218	12.45	
75) C	Fluoranthene	1.401	1.254	1.132	1.096	1.045	0.998	0.959	1.126	13.75	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	1.000	0.905	0.825	0.801	0.759	0.680	0.663	0.805	14.90	
78)	Pyrene	1.797	1.628	1.554	1.535	1.543	1.490	1.649	1.599	6.44	
79) S	Terphenyl-d14	1.269	1.131	1.004	1.032	1.017	0.966	1.076	1.071	9.56	
80)	Butylbenzylphth...	0.736	0.694	0.660	0.696	0.689	0.702	0.658	0.691	3.84	
81)	Benzo(a)anthra...	1.542	1.420	1.273	1.220	1.236	1.189	1.187	1.295	10.42	
82)	3,3'-Dichlorob...	0.533	0.503	0.461	0.447	0.448	0.424	0.415	0.462	9.19	
83)	Chrysene	1.531	1.385	1.287	1.265	1.268	1.239	1.215	1.313	8.39	
84)	Bis(2-ethylhex...	1.045	0.972	0.848	0.900	0.886	0.878	0.918	0.921	7.25	
85) c	Di-n-octyl pht...	1.696	1.623	1.435	1.571	1.558	1.533	1.531	1.564	5.21	
86)	Indeno(1,2,3-c...	1.357	1.317	0.914	0.974	0.989	0.977	1.345	1.125	18.04	

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.404	1.208	1.259	1.225	1.283	1.297	0.973	1.236	10.68
89)	Benzo(k)fluora...	1.266	1.240	1.168	1.121	1.113	1.003	0.925	1.119	10.92
90) C	Benzo(a)pyrene	1.209	1.126	1.077	1.044	1.085	1.050	1.051	1.092	5.38
91)	Dibenzo(a,h)an...	1.058	0.988	0.811	0.801	0.844	0.831	0.947	0.897	11.17
92)	Benzo(g,h,i)pe...	1.004	0.944	0.750	0.765	0.792	0.771	0.961	0.855	12.76

(#) = Out of Range