

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF091020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Sep 14 13:03:00 2020
 ResponseVia : InitialCalibration

Calibration Files

5 =BF121547.D 10 =BF121548.D 20 =BF121549.D 40 =BF121550.D 50 =BF121551.D 60 =BF121552.D 80 =BF121553.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.609	0.640	0.622	0.628	0.621	0.598	0.610	0.618	2.27
3)	Pyridine	1.685	1.702	1.689	1.741	1.727	1.679	1.742	1.709	1.57
4)	n-Nitrosodimet...	0.773	0.825	0.762	0.808	0.802	0.777	0.803	0.793	2.82
5) S	2-Fluorophenol	1.438	1.528	1.401	1.337	1.292	1.216	1.208	1.346	8.77
6)	Aniline	2.372	2.491	2.322	2.339	2.263	2.169	2.140	2.299	5.25
7) S	Phenol-d6	1.895	1.980	1.809	1.767	1.699	1.615	1.593	1.766	8.06
8)	2-Chlorophenol	1.442	1.548	1.421	1.385	1.322	1.256	1.218	1.370	8.31
9)	Benzaldehyde	1.266	1.341	1.229	1.128	1.045	0.916		1.154	13.54
10) C	Phenol	2.024	2.143	1.957	1.917	1.790	1.689	1.641	1.880	9.68
11)	bis(2-Chloroet...	1.469	1.549	1.434	1.433	1.388	1.317	1.329	1.417	5.71
12)	1,3-Dichlorobe...	1.639	1.712	1.575	1.536	1.475	1.391	1.377	1.529	8.13
13) C	1,4-Dichlorobe...	1.653	1.732	1.586	1.534	1.483	1.397	1.364	1.536	8.68
14)	1,2-Dichlorobe...	1.565	1.631	1.499	1.420	1.341	1.252	1.194	1.415	11.44
15)	Benzyl Alcohol	1.228	1.342	1.251	1.235	1.181	1.108	1.055	1.200	7.95
16)	2,2'-oxybis(1-...	2.401	2.480	2.322	2.307	2.239	2.123	2.091	2.280	6.18
17)	2-Methylphenol	1.196	1.243	1.172	1.175	1.147	1.112	1.115	1.166	3.96
18)	Hexachloroethane	0.560	0.592	0.563	0.559	0.545	0.517	0.513	0.550	5.01
19) P	n-Nitroso-di-n...	1.079	1.128	1.027	1.016	0.984	0.940	0.950	1.018	6.69
20)	3+4-Methylphenols	1.570	1.643	1.483	1.399	1.312	1.225	1.173	1.401	12.52
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.558	0.574	0.524	0.499	0.479	0.457	0.461	0.507	9.15
23) S	Nitrobenzene-d5	0.348	0.384	0.376	0.382	0.376	0.364	0.377	0.372	3.35
24)	Nitrobenzene	0.391	0.428	0.404	0.412	0.401	0.386	0.398	0.403	3.43
25)	Isophorone	0.744	0.775	0.731	0.747	0.748	0.730	0.773	0.750	2.43
26) C	2-Nitrophenol	0.121	0.156	0.170	0.187	0.188	0.188	0.197	0.172	15.38
27)	2,4-Dimethylph...	0.330	0.340	0.332	0.336	0.344	0.317	0.343	0.335	2.80
28)	bis(2-Chloroet...	0.472	0.497	0.461	0.465	0.460	0.442	0.452	0.464	3.73
29) C	2,4-Dichloroph...	0.298	0.316	0.305	0.310	0.305	0.296	0.304	0.305	2.25
30)	1,2,4-Trichlor...	0.326	0.341	0.325	0.326	0.316	0.303	0.311	0.321	3.88
31)	Naphthalene	1.140	1.166	1.090	1.063	1.009	0.971	0.951	1.056	7.82
32)	Benzoic acid		0.136	0.180	0.235	0.252	0.249	0.273	0.221	23.52
33)	4-Chloroaniline	0.469	0.497	0.468	0.459	0.450	0.436	0.425	0.458	5.18
34) C	Hexachlorobuta...	0.190	0.199	0.189	0.191	0.187	0.178	0.184	0.188	3.48
35)	Caprolactam	0.092	0.101	0.098	0.102	0.102	0.101	0.114	0.102	6.66
36) C	4-Chloro-3-met...	0.329	0.345	0.327	0.331	0.326	0.314	0.327	0.328	2.74
37)	2-Methylnaphth...	0.747	0.777	0.716	0.684	0.663	0.626	0.631	0.692	8.30
38)	1-Methylnaphth...	0.696	0.723	0.667	0.641	0.619	0.588	0.575	0.644	8.50

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.646	0.685	0.636	0.624	0.607	0.584	0.592	0.625	5.58	
41) P	Hexachlorocycl...	0.270	0.332	0.353	0.378	0.384	0.381	0.399	0.357	12.37	
42) S	2,4,6-Tribromo...	0.223	0.251	0.246	0.253	0.255	0.249	0.264	0.249	5.10	
43) C	2,4,6-Trichlor...	0.398	0.431	0.421	0.438	0.433	0.417	0.442	0.426	3.54	
44)	2,4,5-Trichlor...	0.427	0.473	0.445	0.453	0.455	0.442	0.456	0.450	3.20	
45) S	2-Fluorobiphenyl	1.537	1.567	1.390	1.263	1.210	1.147	1.130	1.321	13.63	
46)	1,1'-Biphenyl	1.726	1.813	1.671	1.587	1.523	1.449	1.439	1.601	8.86	
47)	2-Chloronaphth...	1.348	1.382	1.289	1.258	1.218	1.176	1.160	1.262	6.67	
48)	2-Nitroaniline	0.306	0.381	0.394	0.412	0.419	0.404	0.429	0.392	10.55	
49)	Acenaphthylene	2.052	2.174	2.006	1.928	1.858	1.803	1.749	1.939	7.71	
50)	Dimethylphthalate	1.487	1.564	1.451	1.436	1.414	1.376	1.420	1.450	4.20	
51)	2,6-Dinitrotol...	0.257	0.302	0.307	0.325	0.321	0.319	0.330	0.309	8.05	
52) C	Acenaphthene	1.281	1.331	1.249	1.210	1.191	1.151	1.157	1.224	5.43	
53)	3-Nitroaniline	0.316	0.355	0.353	0.368	0.366	0.365	0.382	0.358	5.82	
54) P	2,4-Dinitrophenol	0.076	0.105	0.144	0.158	0.165	0.186	0.139		29.30	
55)	Dibenzofuran	1.875	1.928	1.790	1.709	1.646	1.572	1.549	1.724	8.50	
56) P	4-Nitrophenol	0.226	0.270	0.284	0.303	0.301	0.305	0.307	0.285	10.24	
57)	2,4-Dinitrotol...	0.306	0.376	0.389	0.412	0.421	0.406	0.408	0.388	10.14	
58)	Fluorene	1.511	1.545	1.380	1.276	1.215	1.163	1.141	1.319	12.40	
59)	2,3,4,6-Tetrac...	0.340	0.379	0.366	0.370	0.371	0.362	0.374	0.366	3.45	
60)	Diethylphthalate	1.502	1.538	1.423	1.412	1.379	1.317	1.322	1.413	5.95	
61)	4-Chlorophenyl...	0.715	0.711	0.653	0.615	0.592	0.573	0.564	0.632	9.92	
62)	4-Nitroaniline	0.314	0.362	0.353	0.363	0.363	0.357	0.373	0.355	5.39	
63)	Azobenzene	1.600	1.641	1.540	1.496	1.456	1.390	1.414	1.505	6.23	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.070	0.090	0.115	0.121	0.124	0.134	0.109		22.27	
66) c	n-Nitrosodipe...	0.717	0.757	0.701	0.686	0.669	0.637	0.636	0.686	6.34	
67)	4-Bromophenyl-...	0.225	0.241	0.228	0.228	0.227	0.219	0.226	0.228	2.85	
68)	Hexachlorobenzene	0.256	0.273	0.255	0.255	0.256	0.244	0.259	0.257	3.32	
69)	Atrazine	0.163	0.174	0.169	0.174	0.174	0.166	0.172	0.170	2.69	
70) C	Pentachlorophenol	0.103	0.128	0.139	0.153	0.154	0.151	0.160	0.141	14.22	
71)	Phenanthrene	1.194	1.235	1.126	1.072	1.038	0.975	0.988	1.090	9.16	
72)	Anthracene	1.223	1.280	1.171	1.110	1.065	1.011	1.012	1.125	9.29	
73)	Carbazole	1.076	1.133	1.039	1.013	0.975	0.930	0.938	1.015	7.30	
74)	Di-n-butylphth...	1.195	1.298	1.219	1.182	1.150	1.079	1.074	1.171	6.75	
75) C	Fluoranthene	1.235	1.316	1.199	1.164	1.110	1.048	1.070	1.163	8.20	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.641	0.715	0.711	0.713	0.680	0.629	0.552	0.663	9.07	
78)	Pyrene	1.479	1.537	1.448	1.465	1.441	1.406	1.453	1.461	2.78	
79) S	Terphenyl-d14	1.055	1.096	0.974	0.962	0.954	0.921	0.949	0.987	6.43	
80)	Butylbenzylpht...	0.509	0.584	0.578	0.616	0.620	0.604	0.626	0.591	6.85	
81)	Benzo(a)anthra...	1.328	1.390	1.259	1.247	1.226	1.193	1.214	1.265	5.52	
82)	3,3'-Dichlorob...	0.459	0.515	0.501	0.515	0.505	0.488	0.475	0.494	4.25	
83)	Chrysene	1.309	1.392	1.271	1.280	1.259	1.217	1.242	1.281	4.43	
84)	Bis(2-ethylhex...	0.780	0.856	0.803	0.798	0.774	0.761	0.754	0.790	4.34	
85) c	Di-n-octyl pht...	1.267	1.433	1.407	1.462	1.426	1.381	1.377	1.393	4.54	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.276	1.373	1.308	1.274	1.292	1.250	1.344	1.302		3.30
88)	Benzo(b)fluora...	1.258	1.360	1.236	1.285	1.401	1.326	1.494	1.337		6.73
89)	Benzo(k)fluora...	1.215	1.339	1.265	1.281	1.186	1.161	1.123	1.224		6.14
90) C	Benzo(a)pyrene	1.083	1.180	1.120	1.151	1.149	1.108	1.165	1.137		3.01
91)	Dibenzo(a,h)an...	1.079	1.168	1.096	1.059	1.066	1.024	1.097	1.084		4.12
92)	Benzo(g,h,i)pe...	1.038	1.120	1.060	1.031	1.054	1.033	1.124	1.066		3.73

(#) = Out of Range