

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP011223.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jan 13 03:32:57 2023
 Response Via : Initial Calibration

Calibration Files

2.5 =BP013459.D 5 =BP013460.D 10 =BP013461.D 20 =BP013462.D 40 =BP013463.D 50 =BP013464.D 60 =BP013465.D 80 =BP013466.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.489	0.463	0.463	0.431	0.446	0.424	0.408	0.446	6.17	
3)	Pyridine	1.396	1.369	1.411	1.381	1.440	1.394	1.352	1.392	2.06	
4)	n-Nitrosodimet...	0.672	0.658	0.693	0.661	0.690	0.662	0.636	0.667	2.97	
5) S	2-Fluorophenol	1.226	1.150	1.164	1.116	1.153	1.105	1.055	1.139	4.70	
6)	Aniline	2.190	2.146	2.219	2.121	2.205	2.133	2.040	2.151	2.86	
7) S	Phenol-d6	1.665	1.593	1.652	1.594	1.658	1.590	1.513	1.609	3.35	
8)	2-Chlorophenol	1.362	1.344	1.355	1.298	1.343	1.293	1.228	1.318	3.61	
9)	Benzaldehyde	1.154	1.090	1.051	0.879	0.844	0.810		0.972	14.91	
10) C	Phenol	1.650	1.645	1.714	1.653	1.727	1.659	1.580	1.661	2.93	
11)	bis(2-Chloroet...	1.414	1.371	1.384	1.329	1.370	1.314	1.243	1.347	4.19	
12)	1,3-Dichlorobe...	1.449	1.425	1.447	1.364	1.407	1.344	1.282	1.388	4.43	
13) C	1,4-Dichlorobe...	1.525	1.450	1.452	1.384	1.416	1.373	1.304	1.415	4.98	
14)	1,2-Dichlorobe...	1.491	1.415	1.427	1.350	1.390	1.336	1.266	1.382	5.26	
15)	Benzyl Alcohol	1.226	1.225	1.263	1.242	1.282	1.252	1.190	1.240	2.42	
16)	2,2'-oxybis(1-...	2.212	2.153	2.134	2.045	2.105	2.027	1.906	2.083	4.82	
17)	2-Methylphenol	1.240	1.242	1.265	1.223	1.263	1.219	1.155	1.230	3.03	
18)	Hexachloroethane	0.532	0.507	0.509	0.489	0.509	0.491	0.469	0.501	3.96	
19) P	n-Nitroso-di-n...	1.038	1.240	1.199	1.208	1.151	1.172	1.133	1.049	1.149	6.37
20)	3+4-Methylphenols		1.715	1.700	1.767	1.701	1.755	1.702	1.619	1.709	2.80
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.514	0.503	0.527	0.506	0.528	0.517	0.491	0.512	2.64	
23) S	Nitrobenzene-d5	0.370	0.367	0.385	0.376	0.390	0.381	0.366	0.376	2.45	
24)	Nitrobenzene	0.388	0.374	0.398	0.385	0.403	0.395	0.383	0.389	2.52	
25)	Isophorone	0.784	0.768	0.789	0.762	0.792	0.777	0.752	0.775	1.94	
26) C	2-Nitrophenol	0.176	0.178	0.194	0.194	0.204	0.202	0.199	0.192	5.93	
27)	2,4-Dimethylph...	0.311	0.307	0.322	0.315	0.328	0.322	0.313	0.317	2.36	
28)	bis(2-Chloroet...	0.469	0.454	0.465	0.449	0.465	0.456	0.441	0.457	2.18	
29) C	2,4-Dichloroph...	0.319	0.316	0.336	0.332	0.348	0.341	0.335	0.333	3.38	
30)	1,2,4-Trichlor...	0.359	0.345	0.356	0.343	0.361	0.354	0.345	0.352	2.12	
31)	Naphthalene	1.096	1.042	1.078	1.040	1.077	1.057	1.014	1.058	2.66	
32)	Benzoic acid	0.209	0.230	0.261	0.276	0.291	0.292	0.291	0.264	12.51	
33)	4-Chloroaniline	0.473	0.462	0.492	0.481	0.501	0.493	0.479	0.483	2.78	
34) C	Hexachlorobuta...	0.229	0.218	0.225	0.216	0.226	0.223	0.216	0.222	2.28	
35)	Caprolactam	0.116	0.114	0.119	0.117	0.122	0.121	0.120	0.118	2.29	
36) C	4-Chloro-3-met...	0.361	0.353	0.368	0.359	0.372	0.368	0.356	0.362	1.98	
37)	2-Methylnaphth...	0.818	0.785	0.810	0.781	0.809	0.794	0.760	0.794	2.57	
38)	1-Methylnaphth...	0.771	0.749	0.767	0.735	0.759	0.749	0.713	0.749	2.65	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP011223.M

39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.658	0.633	0.668	0.654	0.675	0.664	0.637	0.656	2.42
41) P	Hexachlorocycl...	0.263	0.287	0.338	0.359	0.386	0.383	0.377	0.342	14.35
42) S	2,4,6-Tribromo...	0.310	0.299	0.314	0.312	0.325	0.320	0.306	0.312	2.75
43) C	2,4,6-Trichlor...	0.432	0.435	0.458	0.449	0.466	0.466	0.449	0.451	3.04
44)	2,4,5-Trichlor...	0.506	0.501	0.537	0.529	0.556	0.550	0.523	0.529	3.91
45) S	2-Fluorobiphenyl	1.487	1.423	1.455	1.363	1.369	1.334	1.146	1.368	8.19
46)	1,1'-Biphenyl	1.553	1.505	1.551	1.501	1.545	1.515	1.415	1.512	3.19
47)	2-Chloronaphth...	1.184	1.148	1.181	1.146	1.186	1.170	1.103	1.160	2.58
48)	2-Nitroaniline	0.349	0.358	0.387	0.387	0.404	0.402	0.386	0.382	5.40
49)	Acenaphthylene	1.939	1.909	1.957	1.896	1.958	1.931	1.796	1.912	2.94
50)	Dimethylphthalate	1.651	1.589	1.610	1.562	1.613	1.586	1.491	1.586	3.16
51)	2,6-Dinitrotol...	0.326	0.330	0.350	0.347	0.363	0.359	0.347	0.346	4.00
52) C	Acenaphthene	1.161	1.125	1.156	1.120	1.160	1.139	1.063	1.132	3.07
53)	3-Nitroaniline	0.328	0.349	0.369	0.377	0.394	0.393	0.380	0.370	6.54
54) P	2,4-Dinitrophenol		0.191	0.218	0.238	0.255	0.255	0.253	0.235	10.93
55)	Dibenzofuran	1.980	1.889	1.934	1.849	1.894	1.869	1.723	1.877	4.30
56) P	4-Nitrophenol	0.252	0.272	0.301	0.305	0.322	0.320	0.309	0.297	8.74
57)	2,4-Dinitrotol...	0.435	0.440	0.475	0.481	0.502	0.499	0.479	0.473	5.55
58)	Fluorene	1.583	1.514	1.555	1.474	1.487	1.455	1.299	1.481	6.20
59)	2,3,4,6-Tetrac...	0.451	0.443	0.463	0.455	0.475	0.468	0.446	0.457	2.58
60)	Diethylphthalate	1.605	1.557	1.582	1.538	1.570	1.557	1.455	1.552	3.08
61)	4-Chlorophenyl...	0.822	0.814	0.818	0.781	0.791	0.777	0.703	0.787	5.22
62)	4-Nitroaniline	0.317	0.350	0.387	0.391	0.409	0.406	0.392	0.379	8.79
63)	Azobenzene	1.434	1.418	1.460	1.419	1.458	1.440	1.347	1.425	2.69
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.110	0.120	0.138	0.143	0.150	0.149	0.147	0.137	11.33
66) c	n-Nitrosodiphe...	0.608	0.581	0.601	0.585	0.603	0.587	0.550	0.588	3.33
67)	4-Bromophenyl-...	0.233	0.223	0.231	0.229	0.238	0.234	0.225	0.230	2.32
68)	Hexachlorobenzene	0.254	0.244	0.254	0.248	0.257	0.254	0.243	0.251	2.16
69)	Atrazine	0.216	0.212	0.218	0.213	0.222	0.217	0.208	0.215	2.10
70) C	Pentachlorophenol	0.159	0.164	0.183	0.189	0.200	0.198	0.193	0.184	8.88
71)	Phenanthrene	1.114	1.063	1.099	1.052	1.071	1.050	0.938	1.055	5.39
72)	Anthracene	1.115	1.076	1.120	1.074	1.099	1.083	0.950	1.074	5.37
73)	Carbazole	1.003	0.976	1.009	0.980	1.001	0.980	0.898	0.978	3.86
74)	Di-n-butylphth...	1.182	1.163	1.208	1.172	1.183	1.144	0.894	1.135	9.51
75) C	Fluoranthene	1.374	1.319	1.339	1.285	1.295	1.261	0.998	1.268	9.81
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzydine	0.671	0.604	0.598	0.625	0.632	0.524	0.506	0.594	10.00
78)	Pyrene	1.409	1.357	1.395	1.339	1.356	1.298	1.053	1.315	9.21
79) S	Terphenyl-d14	1.099	1.047	1.052	0.886	0.807			0.978	12.78
80)	Butylbenzylpht...	0.568	0.552	0.569	0.570	0.592	0.578	0.551	0.569	2.53
81)	Benzo(a)anthra...	1.461	1.379	1.435	1.367	1.385	1.320	1.080	1.347	9.37
82)	3,3'-Dichlorob...	0.516	0.509	0.526	0.500	0.512	0.498	0.462	0.503	4.08
83)	Chrysene	1.368	1.311	1.344	1.291	1.313	1.247	1.035	1.273	8.75
84)	Bis(2-ethylhex...	0.849	0.827	0.843	0.818	0.848	0.822	0.753	0.823	4.06
85) c	Di-n-octyl pht...	1.498	1.445	1.482	1.442	1.455	1.353	1.104	1.397	9.82

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP011223.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.522	1.487	1.511	1.446	1.458	1.417	1.284	1.446	5.55
88)	Benzo(b)fluora...	1.218	1.203	1.228	1.143	1.225	1.188	1.108	1.187	3.86
89)	Benzo(k)fluora...	1.218	1.156	1.174	1.168	1.161	1.139	1.052	1.153	4.39
90) C	Benzo(a)pyrene	1.209	1.163	1.195	1.147	1.190	1.156	1.106	1.167	2.99
91)	Dibenzo(a,h)an...	1.269	1.236	1.266	1.208	1.217	1.176	1.059	1.204	5.96
92)	Benzo(g,h,i)pe...	1.261	1.229	1.249	1.185	1.192	1.155	1.047	1.188	6.12

(#) = Out of Range