

Method Path : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\
 Method File : 8270E-BP121120.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Dec 15 10:27:21 2020
 Response Via : Initial Calibration

Calibration Files

5 =BP004221.D 10 =BP004222.D 20 =BP004223.D 40 =BP004224.D 50 =BP004225.D 60 =BP004226.D 80 =BP004227.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.582	0.658	0.584	0.588	0.569	0.575	0.493	0.579	8.30
3)	Pyridine	1.450	1.757	1.589	1.633	1.574	1.602	1.382	1.569	7.80
4)	n-Nitrosodimet...	0.446	0.554	0.509	0.539	0.517	0.530	0.452	0.507	8.32
5) S	2-Fluorophenol	1.076	1.313	1.224	1.287	1.256	1.284	1.104	1.221	7.68
6)	Aniline	1.799	2.136	1.966	2.096	2.028	2.074	1.767	1.981	7.36
7) S	Phenol-d6	1.532	1.879	1.734	1.828	1.753	1.788	1.515	1.718	8.24
8)	2-Chlorophenol	1.181	1.438	1.314	1.371	1.322	1.347	1.149	1.303	7.92
9)	Benzaldehyde	1.118	1.272	1.097	0.991	0.879			1.071	13.72
10) C	Phenol	1.564	1.869	1.718	1.794	1.714	1.744	1.485	1.698	7.77
11)	bis(2-Chloroet...	1.384	1.598	1.419	1.470	1.381	1.425	1.209	1.412	8.24
12)	1,3-Dichlorobe...	1.676	1.924	1.690	1.715	1.646	1.672	1.429	1.679	8.60
13) C	1,4-Dichlorobe...	1.694	1.917	1.705	1.726	1.668	1.678	1.443	1.690	8.17
14)	1,2-Dichlorobe...	1.622	1.838	1.634	1.641	1.559	1.576	1.340	1.601	9.19
15)	Benzyl Alcohol	0.847	1.086	1.044	1.168	1.137	1.183	1.013	1.068	10.87
16)	2,2'-oxybis(1-...	1.803	2.076	1.836	1.862	1.744	1.788	1.495	1.801	9.56
17)	2-Methylphenol	0.931	1.153	1.092	1.166	1.116	1.147	0.976	1.083	8.56
18)	Hexachloroethane	0.601	0.686	0.620	0.627	0.601	0.618	0.530	0.612	7.51
19) P	n-Nitroso-di-n...	0.930	1.132	1.028	1.086	1.023	1.039	0.877	1.016	8.62
20)	3+4-Methylphenols	1.168	1.499	1.445	1.570	1.515	1.554	1.321	1.439	10.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.499	0.592	0.543	0.563	0.544	0.554	0.484	0.540	6.89
23) S	Nitrobenzene-d5	0.387	0.455	0.418	0.440	0.427	0.439	0.380	0.421	6.65
24)	Nitrobenzene	0.383	0.453	0.411	0.432	0.420	0.428	0.373	0.414	6.77
25)	Isophorone	0.567	0.706	0.681	0.743	0.729	0.756	0.658	0.692	9.37
26) C	2-Nitrophenol	0.097	0.128	0.137	0.167	0.171	0.183	0.166	0.150	20.24
27)	2,4-Dimethylph...	0.210	0.268	0.256	0.282	0.276	0.285	0.250	0.261	9.97
28)	bis(2-Chloroet...	0.451	0.531	0.485	0.515	0.500	0.518	0.446	0.492	6.75
29) C	2,4-Dichloroph...	0.221	0.296	0.300	0.338	0.334	0.349	0.308	0.307	13.97
30)	1,2,4-Trichlor...	0.393	0.449	0.402	0.422	0.411	0.423	0.370	0.410	6.16
31)	Naphthalene	1.101	1.256	1.126	1.174	1.136	1.163	1.001	1.137	6.82
32)	Benzoic acid		0.092	0.114	0.163	0.167	0.194	0.184	0.152	26.59
33)	4-Chloroaniline	0.387	0.471	0.454	0.494	0.479	0.497	0.432	0.459	8.50
34) C	Hexachlorobuta...	0.242	0.276	0.252	0.265	0.261	0.269	0.235	0.257	5.75
35)	Caprolactam		0.082	0.090	0.107	0.109	0.116	0.101	0.101	12.54
36) C	4-Chloro-3-met...	0.225	0.295	0.301	0.339	0.334	0.352	0.308	0.308	13.65
37)	2-Methylnaphth...	0.759	0.870	0.782	0.828	0.795	0.820	0.706	0.794	6.62
38)	1-Methylnaphth...	0.719	0.827	0.751	0.782	0.754	0.774	0.669	0.754	6.66

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.672	0.795	0.705	0.752	0.732	0.748	0.660	0.723	6.62
41) P	Hexachlorocycl...	0.296	0.366	0.344	0.388	0.383	0.403	0.359	0.363	9.73
42) S	2,4,6-Tribromo...	0.243	0.242	0.280	0.278	0.295	0.263	0.267		8.06
43) C	2,4,6-Trichlor...	0.260	0.375	0.382	0.451	0.451	0.474	0.423	0.402	18.10
44)	2,4,5-Trichlor...	0.291	0.422	0.425	0.480	0.479	0.499	0.447	0.435	16.04
45) S	2-Fluorobiphenyl	1.553	1.817	1.596	1.627	1.544	1.566	1.343	1.578	8.84
46)	1,1'-Biphenyl	1.612	1.893	1.687	1.738	1.683	1.717	1.499	1.690	7.12
47)	2-Chloronaphth...	1.318	1.552	1.385	1.424	1.381	1.412	1.233	1.387	7.09
48)	2-Nitroaniline	0.245	0.333	0.342	0.398	0.394	0.413	0.368	0.356	16.10
49)	Acenaphthylene	1.864	2.223	2.023	2.142	2.070	2.120	1.840	2.040	7.00
50)	Dimethylphthalate	1.503	1.780	1.629	1.719	1.670	1.715	1.504	1.646	6.53
51)	2,6-Dinitrotol...	0.275	0.361	0.336	0.373	0.363	0.377	0.336	0.346	10.24
52) C	Acenaphthene	1.203	1.412	1.262	1.318	1.276	1.304	1.135	1.273	6.91
53)	3-Nitroaniline	0.276	0.370	0.372	0.420	0.408	0.428	0.379	0.379	13.55
54) P	2,4-Dinitrophenol	0.102	0.111	0.146	0.153	0.168	0.157	0.140		19.20
55)	Dibenzofuran	1.968	2.258	2.012	2.069	1.993	2.036	1.761	2.014	7.31
56) P	4-Nitrophenol	0.235	0.253	0.303	0.302	0.321	0.288	0.284		11.52
57)	2,4-Dinitrotol...	0.319	0.437	0.441	0.507	0.500	0.521	0.463	0.455	15.08
58)	Fluorene	1.520	1.760	1.588	1.646	1.579	1.598	1.376	1.581	7.42
59)	2,3,4,6-Tetrac...	0.284	0.384	0.387	0.440	0.439	0.464	0.405	0.400	14.79
60)	Diethylphthalate	1.356	1.660	1.563	1.673	1.636	1.686	1.476	1.579	7.79
61)	4-Chlorophenyl...	0.828	0.955	0.852	0.890	0.857	0.877	0.764	0.860	6.80
62)	4-Nitroaniline	0.278	0.392	0.395	0.441	0.427	0.445	0.390	0.395	14.36
63)	Azobenzene	1.326	1.640	1.504	1.591	1.528	1.568	1.367	1.503	7.73
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.070	0.075	0.096	0.099	0.108	0.099	0.091		16.62
66) c	n-Nitrosodiphe...	0.550	0.690	0.630	0.662	0.647	0.663	0.569	0.630	8.19
67)	4-Bromophenyl-...	0.220	0.268	0.244	0.261	0.256	0.265	0.232	0.249	7.29
68)	Hexachlorobenzene	0.285	0.325	0.293	0.305	0.296	0.310	0.268	0.297	6.15
69)	Atrazine	0.150	0.203	0.205	0.224	0.221	0.231	0.195	0.204	13.31
70) C	Pentachlorophenol	0.112	0.120	0.149	0.152	0.164	0.147	0.141		14.24
71)	Phenanthrene	1.166	1.352	1.213	1.237	1.196	1.220	1.034	1.203	7.88
72)	Anthracene	1.010	1.249	1.147	1.196	1.156	1.181	1.011	1.136	8.09
73)	Carbazole	0.901	1.137	1.063	1.120	1.079	1.110	0.954	1.052	8.54
74)	Di-n-butylphth...	0.811	1.111	1.133	1.281	1.251	1.294	1.108	1.141	14.57
75) C	Fluoranthene	1.239	1.508	1.402	1.464	1.407	1.436	1.214	1.381	8.10
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.240	0.224	0.290	0.474	0.436	0.406	0.353	0.346	28.26
78)	Pyrene	1.205	1.450	1.363	1.451	1.401	1.440	1.232	1.363	7.62
79) S	Terphenyl-d14	1.029	1.200	1.086	1.083	1.038	1.045	0.822	1.044	10.87
80)	Butylbenzylpht...	0.235	0.340	0.390	0.508	0.516	0.561	0.507	0.437	27.10
81)	Benzo(a)anthra...	1.252	1.516	1.384	1.443	1.387	1.414	1.217	1.373	7.66
82)	3,3'-Dichlorob...	0.235	0.342	0.381	0.461	0.450	0.464		0.389	23.15
83)	Chrysene	1.272	1.459	1.333	1.371	1.319	1.349	1.158	1.323	7.00
84)	Bis(2-ethylhex...	0.401	0.585	0.653	0.793	0.784	0.819		0.672	23.99
85) c	Di-n-octyl pht...	0.567	0.841	0.968	1.251	1.273	1.364		1.044	29.44

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86) I	Perylene-d12												- - - - -ISTD- - - - -
87)	Indeno(1,2,3-c...	1.262	1.592	1.500	1.632	1.605	1.655	1.458	1.529		8.98		
88)	Benzo(b)fluora...	1.153	1.401	1.295	1.416	1.385	1.389	1.188	1.318		8.24		
89)	Benzo(k)fluora...	1.199	1.442	1.331	1.340	1.308	1.361	1.178	1.309		7.06		
90) C	Benzo(a)pyrene	1.001	1.243	1.177	1.296	1.262	1.300	1.131	1.201		8.96		
91)	Dibenzo(a,h)an...	1.059	1.330	1.252	1.338	1.307	1.344	1.168	1.257		8.53		
92)	Benzo(g,h,i)pe...	1.029	1.287	1.204	1.303	1.278	1.322	1.168	1.227		8.43		

(#) = Out of Range