

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP030522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sat Mar 05 01:55:59 2022
 Response Via : Initial Calibration

Calibration Files

5 =BP009269.D 10 =BP009270.D 20 =BP009271.D 40 =BP009272.D 50 =BP009273.D 60 =BP009274.D 80 =BP009275.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.724	0.665	0.570	0.526	0.521	0.551	0.526	0.583	13.70
3) Pyridine	1.450	1.245	1.227	1.158	1.159	1.252	1.210	1.243	7.96
4) n-Nitrosodimet...	0.593	0.519	0.512	0.493	0.488	0.526	0.498	0.518	6.88
5) S 2-Fluorophenol	1.697	1.468	1.360	1.253	1.239	1.325	1.250	1.370	12.06
6) Aniline	2.765	2.348	2.195	2.027	1.995	2.122	1.986	2.205	12.62
7) S Phenol-d6	2.169	1.860	1.743	1.593	1.580	1.678	1.565	1.741	12.41
8) 2-Chlorophenol	1.690	1.478	1.399	1.306	1.286	1.380	1.286	1.404	10.29
9) Benzaldehyde		1.378	1.241	1.033	0.970	0.925		1.109	17.36
10) C Phenol	2.266	1.934	1.817	1.648	1.617	1.726	1.614	1.803	13.03
11) bis(2-Chloroet...	1.784	1.482	1.381	1.298	1.245	1.336	1.241	1.395	13.66
12) 1,3-Dichlorobe...	2.145	1.819	1.641	1.481	1.461	1.563	1.465	1.654	15.23
13) C 1,4-Dichlorobe...	2.158	1.832	1.687	1.515	1.488	1.583	1.479	1.678	14.72
14) 1,2-Dichlorobe...	2.088	1.752	1.606	1.448	1.410	1.513	1.407	1.603	15.40
15) Benzyl Alcohol	1.462	1.286	1.218	1.139	1.134	1.217	1.140	1.228	9.56
16) 2,2'-oxybis(1-...	2.387	1.998	1.808	1.641	1.595	1.688	1.562	1.811	16.24
17) 2-Methylphenol	1.426	1.228	1.176	1.078	1.070	1.136	1.055	1.167	11.14
18) Hexachloroethane	0.727	0.631	0.573	0.529	0.527	0.569	0.532	0.584	12.50
19) P n-Nitroso-di-n...	1.266	1.100	1.052	0.983	0.973	1.027	0.951	1.050	10.27
20) 3+4-Methylphenols	1.887	1.650	1.552	1.456	1.444	1.534	1.426	1.564	10.37
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.684	0.582	0.529	0.495	0.476	0.510	0.466	0.535	14.25
23) S Nitrobenzene-d5	0.415	0.375	0.360	0.347	0.339	0.367	0.339	0.363	7.34
24) Nitrobenzene	0.460	0.409	0.384	0.362	0.351	0.379	0.349	0.385	10.16
25) Isophorone	0.796	0.701	0.670	0.641	0.632	0.681	0.633	0.679	8.49
26) C 2-Nitrophenol	0.143	0.136	0.140	0.147	0.150	0.168	0.159	0.149	7.65
27) 2,4-Dimethylph...	0.401	0.353	0.327	0.304	0.297	0.319	0.294	0.328	11.65
28) bis(2-Chloroet...	0.558	0.472	0.437	0.413	0.402	0.431	0.399	0.444	12.59
29) C 2,4-Dichloroph...	0.370	0.325	0.314	0.302	0.294	0.315	0.294	0.316	8.33
30) 1,2,4-Trichlor...	0.482	0.403	0.365	0.336	0.326	0.353	0.326	0.370	15.18
31) Naphthalene	1.446	1.216	1.101	1.016	0.978	1.042	0.954	1.108	15.62
32) Benzoic acid	0.144	0.136	0.147	0.163	0.177	0.199	0.199	0.167	15.70
33) 4-Chloroaniline	0.558	0.481	0.454	0.422	0.411	0.440	0.406	0.453	11.71
34) C Hexachlorobuta...	0.290	0.241	0.222	0.205	0.200	0.218	0.203	0.225	14.10
35) Caprolactam	0.093	0.087	0.089	0.092	0.093	0.101	0.096	0.093	4.77
36) C 4-Chloro-3-met...	0.384	0.341	0.325	0.310	0.308	0.331	0.312	0.330	8.11
37) 2-Methylnaphth...	1.011	0.856	0.778	0.726	0.701	0.749	0.688	0.787	14.43
38) 1-Methylnaphth...	0.930	0.795	0.722	0.662	0.644	0.685	0.634	0.725	14.61

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.854	0.725	0.669	0.627	0.602	0.647	0.593	0.674	13.50
41) P	Hexachlorocycl...	0.489	0.435	0.416	0.402	0.397	0.439	0.410	0.427	7.38
42) S	2,4,6-Tribromo...	0.273	0.244	0.237	0.234	0.224	0.245	0.233	0.242	6.49
43) C	2,4,6-Trichlor...	0.443	0.411	0.400	0.393	0.383	0.416	0.388	0.405	5.10
44)	2,4,5-Trichlor...	0.506	0.454	0.439	0.430	0.412	0.446	0.420	0.444	6.98
45) S	2-Fluorobiphenyl	1.909	1.619	1.466	1.340	1.273	1.353	1.221	1.454	16.47
46)	1,1'-Biphenyl	2.119	1.803	1.636	1.513	1.433	1.536	1.391	1.633	15.56
47)	2-Chloronaphth...	1.604	1.363	1.239	1.147	1.081	1.163	1.061	1.237	15.45
48)	2-Nitroaniline	0.269	0.255	0.269	0.288	0.289	0.319	0.302	0.284	7.68
49)	Acenaphthylene	2.344	2.040	1.908	1.804	1.723	1.846	1.714	1.911	11.58
50)	Dimethylphthalate	1.849	1.569	1.459	1.375	1.320	1.432	1.322	1.475	12.63
51)	2,6-Dinitrotol...	0.298	0.281	0.287	0.291	0.285	0.306	0.292	0.291	2.82
52) C	Acenaphthene	1.541	1.315	1.207	1.147	1.095	1.177	1.092	1.225	12.96
53)	3-Nitroaniline	0.316	0.293	0.300	0.308	0.304	0.332	0.314	0.309	4.14
54) P	2,4-Dinitrophenol	0.109	0.102	0.111	0.127	0.131	0.148	0.146	0.125	14.77
55)	Dibenzofuran	2.419	2.046	1.847	1.709	1.630	1.744	1.592	1.855	15.69
56) P	4-Nitrophenol	0.251	0.240	0.250	0.260	0.255	0.280	0.266	0.257	4.95
57)	2,4-Dinitrotol...	0.352	0.335	0.359	0.382	0.376	0.412	0.395	0.373	7.00
58)	Fluorene	1.892	1.596	1.457	1.333	1.276	1.359	1.257	1.453	15.54
59)	2,3,4,6-Tetrac...	0.428	0.382	0.370	0.356	0.349	0.376	0.355	0.374	7.16
60)	Diethylphthalate	1.764	1.492	1.409	1.354	1.307	1.412	1.316	1.436	11.01
61)	4-Chlorophenyl...	0.972	0.806	0.735	0.680	0.648	0.698	0.642	0.740	15.75
62)	4-Nitroaniline	0.296	0.278	0.293	0.301	0.296	0.325	0.310	0.300	4.87
63)	Azobenzene	1.707	1.490	1.414	1.336	1.290	1.373	1.268	1.411	10.68
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.077	0.075	0.081	0.090	0.091	0.102	0.100	0.088	12.50
66) c	n-Nitrosodiphe...	0.797	0.686	0.627	0.588	0.562	0.595	0.540	0.628	14.07
67)	4-Bromophenyl-...	0.272	0.236	0.217	0.202	0.193	0.204	0.187	0.216	13.66
68)	Hexachlorobenzene	0.322	0.272	0.249	0.236	0.226	0.242	0.225	0.253	13.52
69)	Atrazine	0.247	0.223	0.218	0.216	0.208	0.223	0.211	0.221	5.84
70) C	Pentachlorophenol	0.157	0.146	0.146	0.152	0.149	0.162	0.155	0.152	4.12
71)	Phenanthrene	1.497	1.269	1.141	1.069	1.013	1.077	0.980	1.149	15.64
72)	Anthracene	1.434	1.235	1.143	1.078	1.036	1.082	1.000	1.144	13.01
73)	Carbazole	1.286	1.118	1.037	0.993	0.946	1.005	0.912	1.042	12.08
74)	Di-n-butylphth...	1.302	1.130	1.132	1.140	1.100	1.189	1.085	1.154	6.34
75) C	Fluoranthene	1.655	1.407	1.316	1.269	1.198	1.273	1.167	1.327	12.41
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.699	0.700	0.763	0.742	0.701	0.700	0.581	0.698	8.22
78)	Pyrene	1.665	1.458	1.339	1.268	1.224	1.299	1.199	1.350	12.04
79) S	Terphenyl-d14	1.376	1.168	1.075	0.985	0.940	0.999	0.876	1.060	15.85
80)	Butylbenzylpht...	0.477	0.439	0.463	0.493	0.493	0.539	0.508	0.487	6.62
81)	Benzo(a)anthra...	1.721	1.462	1.354	1.265	1.213	1.287	1.187	1.356	13.69
82)	3,3'-Dichlorob...	0.546	0.494	0.493	0.493	0.479	0.512	0.467	0.498	5.08
83)	Chrysene	1.686	1.434	1.317	1.219	1.167	1.240	1.149	1.316	14.42
84)	Bis(2-ethylhex...	0.842	0.751	0.770	0.777	0.755	0.813	0.748	0.780	4.57
85) c	Di-n-octyl pht...	1.268	1.160	1.225	1.299	1.285	1.406	1.291	1.276	5.88

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.905	1.624	1.535	1.470	1.412	1.518	1.412	1.554	11.07	
88)	Benzo(b)fluora...	1.644	1.403	1.376	1.294	1.229	1.309	1.196	1.350	11.03	
89)	Benzo(k)fluora...	1.645	1.422	1.252	1.200	1.133	1.233	1.145	1.290	14.22	
90) C	Benzo(a)pyrene	1.540	1.336	1.268	1.221	1.166	1.265	1.169	1.281	10.08	
91)	Dibenzo(a,h)an...	1.626	1.393	1.305	1.252	1.185	1.279	1.183	1.318	11.70	
92)	Benzo(g,h,i)pe...	1.574	1.361	1.292	1.236	1.189	1.274	1.186	1.302	10.37	

(#) = Out of Range