

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF051421.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri May 14 19:05:57 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF123925.D 10 =BF123926.D 20 =BF123927.D 40 =BF123928.D 50 =BF123929.D 60 =BF123930.D 80 =BF123931.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.630	0.631	0.651	0.598	0.609	0.621	0.638	0.626	2.86
3)	Pyridine	1.525	1.632	1.625	1.596	1.621	1.654	1.651	1.615	2.74
4)	n-Nitrosodimet...	1.041	1.098	1.018	1.004	1.050	1.068	1.063	1.049	3.01
5) S	2-Fluorophenol	1.478	1.457	1.421	1.367	1.396	1.433	1.418	1.424	2.59
6)	Aniline	2.178	2.188	2.073	2.057	2.034	2.113	2.041	2.098	3.04
7) S	Phenol-d6	1.887	1.968	1.901	1.785	1.807	1.818	1.767	1.848	3.94
8)	2-Chlorophenol	1.496	1.476	1.534	1.440	1.465	1.510	1.457	1.482	2.19
9)	Benzaldehyde	0.916	0.874	0.812	0.815	0.749	0.730	0.700	0.800	9.80
10) C	Phenol	1.827	1.936	1.916	1.779	1.897	1.873	1.846	1.868	2.92
11)	bis(2-Chloroet...	1.464	1.555	1.494	1.393	1.441	1.403	1.411	1.452	3.99
12)	1,3-Dichlorobe...	1.750	1.768	1.773	1.638	1.683	1.755	1.722	1.727	2.90
13) C	1,4-Dichlorobe...	1.818	1.819	1.797	1.709	1.695	1.773	1.757	1.767	2.82
14)	1,2-Dichlorobe...	1.711	1.741	1.649	1.586	1.653	1.646	1.571	1.651	3.71
15)	Benzyl Alcohol	1.568	1.605	1.633	1.610	1.571	1.649	1.536	1.596	2.48
16)	2,2'-oxybis(1-...	3.194	2.957	2.973	2.854	2.834	2.881	2.762	2.922	4.79
17)	2-Methylphenol	1.352	1.166	1.181	1.177	1.158	1.225	1.157	1.202	5.81
18)	Hexachloroethane	0.701	0.669	0.653	0.611	0.626	0.671	0.653	0.655	4.54
19) P	n-Nitroso-di-n...	1.438	1.246	1.243	1.220	1.189	1.269	1.135	1.249	7.55
20)	3+4-Methylphenols	1.648	1.651	1.658	1.514	1.518	1.573	1.522	1.583	4.26
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.553	0.536	0.574	0.559	0.563	0.567	0.623	0.568	4.79
23) S	Nitrobenzene-d5	0.409	0.420	0.452	0.463	0.482	0.488	0.535	0.464	9.21
24)	Nitrobenzene	0.402	0.450	0.452	0.481	0.496	0.495	0.545	0.475	9.50
25)	Isophorone	0.849	0.899	0.899	0.891	0.888	0.902	0.923	0.893	2.49
26) C	2-Nitrophenol	0.135	0.151	0.170	0.179	0.190	0.200	0.225	0.179	16.85
27)	2,4-Dimethylph...	0.333	0.336	0.345	0.343	0.330	0.335	0.372	0.342	4.22
28)	bis(2-Chloroet...	0.455	0.418	0.438	0.443	0.453	0.452	0.484	0.449	4.45
29) C	2,4-Dichloroph...	0.336	0.331	0.337	0.350	0.344	0.350	0.374	0.346	4.16
30)	1,2,4-Trichlor...	0.374	0.368	0.389	0.378	0.387	0.401	0.426	0.389	4.97
31)	Naphthalene	1.145	1.143	1.158	1.179	1.182	1.196	1.283	1.184	4.06
32)	Benzoic acid	0.142	0.148	0.197	0.174	0.223	0.204	0.225	0.188	17.99
33)	4-Chloroaniline	0.452	0.439	0.466	0.431	0.450	0.449	0.467	0.451	2.92
34) C	Hexachlorobuta...	0.238	0.244	0.244	0.250	0.262	0.257	0.288	0.255	6.55
35)	Caprolactam	0.095	0.088	0.100	0.096	0.091	0.097	0.093	0.094	4.24
36) C	4-Chloro-3-met...	0.372	0.358	0.382	0.378	0.376	0.395	0.389	0.378	3.19
37)	2-Methylnaphth...	0.783	0.780	0.807	0.792	0.792	0.812	0.850	0.802	3.00
38)	1-Methylnaphth...	0.756	0.713	0.737	0.750	0.741	0.747	0.796	0.749	3.37

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.673	0.735	0.726	0.679	0.731	0.722	0.784	0.721	5.20
41) P	Hexachlorocycl...	0.385	0.432	0.451	0.438	0.492	0.460	0.552	0.459	11.43
42) S	2,4,6-Tribromo...	0.218	0.221	0.237	0.242	0.256	0.248	0.260	0.240	6.76
43) C	2,4,6-Trichlor...	0.394	0.471	0.471	0.455	0.498	0.473	0.514	0.468	8.17
44)	2,4,5-Trichlor...	0.443	0.457	0.501	0.481	0.501	0.485	0.536	0.486	6.28
45) S	2-Fluorobiphenyl	1.551	1.612	1.644	1.562	1.669	1.599	1.739	1.625	4.03
46)	1,1'-Biphenyl	1.639	1.772	1.739	1.697	1.840	1.741	1.903	1.762	4.99
47)	2-Chloronaphth...	1.375	1.377	1.383	1.325	1.438	1.379	1.517	1.399	4.40
48)	2-Nitroaniline	0.370	0.425	0.460	0.481	0.518	0.510	0.544	0.472	12.61
49)	Acenaphthylene	1.970	2.102	1.992	2.011	2.142	2.069	2.186	2.067	3.91
50)	Dimethylphthalate	1.549	1.617	1.624	1.520	1.623	1.600	1.647	1.597	2.86
51)	2,6-Dinitrotol...	0.244	0.308	0.315	0.335	0.349	0.339	0.370	0.323	12.49
52) C	Acenaphthene	1.323	1.388	1.436	1.369	1.454	1.417	1.517	1.415	4.43
53)	3-Nitroaniline	0.275	0.283	0.310	0.330	0.352	0.338	0.359	0.321	10.24
54) P	2,4-Dinitrophenol	0.101	0.119	0.140	0.163	0.163	0.180	0.144		20.81
55)	Dibenzofuran	1.903	2.062	2.073	1.939	2.112	2.012	2.127	2.032	4.20
56) P	4-Nitrophenol	0.216	0.235	0.261	0.272	0.288	0.299	0.288	0.265	11.39
57)	2,4-Dinitrotol...	0.323	0.350	0.388	0.390	0.446	0.434	0.441	0.396	12.00
58)	Fluorene	1.506	1.519	1.565	1.484	1.557	1.512	1.578	1.532	2.29
59)	2,3,4,6-Tetrac...	0.355	0.374	0.408	0.395	0.432	0.407	0.427	0.400	6.89
60)	Diethylphthalate	1.563	1.539	1.650	1.530	1.632	1.584	1.572	1.582	2.85
61)	4-Chlorophenyl...	0.741	0.767	0.784	0.755	0.785	0.762	0.779	0.768	2.11
62)	4-Nitroaniline	0.261	0.286	0.333	0.331	0.345	0.337	0.342	0.319	10.17
63)	Azobenzene	1.771	1.700	1.792	1.710	1.798	1.771	1.773	1.759	2.20
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.076	0.105	0.119	0.132	0.133		0.113		21.05
66) c	n-Nitrosodiphe...	0.726	0.749	0.766	0.737	0.782	0.760	0.829	0.764	4.46
67)	4-Bromophenyl-...	0.260	0.253	0.260	0.255	0.263	0.260	0.289	0.263	4.55
68)	Hexachlorobenzene	0.267	0.284	0.296	0.277	0.309	0.298	0.324	0.293	6.61
69)	Atrazine	0.218	0.200	0.215	0.216	0.222	0.215	0.225	0.216	3.76
70) C	Pentachlorophenol	0.149	0.153	0.169	0.170	0.191	0.182	0.204	0.174	11.38
71)	Phenanthrene	1.197	1.232	1.265	1.237	1.309	1.283	1.350	1.268	4.07
72)	Anthracene	1.244	1.266	1.291	1.218	1.327	1.268	1.378	1.284	4.18
73)	Carbazole	1.102	1.110	1.136	1.083	1.145	1.098	1.193	1.124	3.32
74)	Di-n-butylphth...	1.396	1.331	1.449	1.363	1.457	1.371	1.479	1.406	3.95
75) C	Fluoranthene	1.343	1.276	1.342	1.237	1.321	1.262	1.406	1.313	4.42
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.407	0.440	0.469	0.500	0.516	0.510	0.536	0.483	9.57
78)	Pyrene	1.660	1.687	1.793	1.772	1.936	1.872	1.709	1.776	5.67
79) S	Terphenyl-d14	1.275	1.222	1.333	1.320	1.435	1.394	1.264	1.321	5.67
80)	Butylbenzylpht...	0.620	0.631	0.691	0.690	0.750	0.753	0.739	0.696	7.90
81)	Benzo(a)anthra...	1.416	1.424	1.454	1.388	1.498	1.421	1.524	1.446	3.36
82)	3,3'-Dichlorob...	0.448	0.441	0.431	0.423	0.453	0.445	0.503	0.449	5.79
83)	Chrysene	1.338	1.387	1.393	1.328	1.434	1.389	1.469	1.391	3.56
84)	Bis(2-ethylhex...	0.922	0.892	0.979	0.968	1.043	1.026	1.048	0.983	6.15
85) c	Di-n-octyl pht...	1.322	1.391	1.406	1.480	1.547	1.499	1.752	1.485	9.40

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.190	1.359	1.336	1.470	1.789	1.735	1.934	1.545	17.86	
88)	Benzo(b)fluora...	1.585	1.561	1.581	1.545	1.467	1.507	1.583	1.547	2.90	
89)	Benzo(k)fluora...	1.382	1.359	1.463	1.384	1.394	1.424	1.464	1.410	2.92	
90) C	Benzo(a)pyrene	1.301	1.280	1.332	1.300	1.355	1.331	1.465	1.337	4.60	
91)	Dibenzo(a,h)an...	0.958	1.127	1.160	1.251	1.506	1.488	1.615	1.301	18.46	
92)	Benzo(g,h,i)pe...	0.998	1.102	1.143	1.211	1.533	1.521	1.624	1.304	19.05	

(#) = Out of Range