

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF080421.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 04 17:59:00 2021
 Response Via : Initial Calibration

Calibration Files

5 =BF124931.D 10 =BF124932.D 20 =BF124933.D 40 =BF124934.D 50 =BF124935.D 60 =BF124938.D 80 =BF124937.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.447	0.481	0.480	0.473	0.449	0.451	0.417	0.457	5.03
3)	Pyridine	0.754	1.009	1.202	1.175	1.098	1.110	1.082	1.061	14.07
4)	n-Nitrosodimet...	0.549	0.767	0.815	0.842	0.733	0.801	0.769	0.754	12.88
5) S	2-Fluorophenol	1.120	1.388	1.336	1.269	1.119	1.171	1.143	1.221	8.99
6)	Aniline	1.560	1.730	1.755	1.736	1.519	1.574	1.510	1.626	6.72
7) S	Phenol-d6	1.463	1.632	1.650	1.651	1.462	1.503	1.416	1.539	6.58
8)	2-Chlorophenol	1.363	1.466	1.422	1.395	1.223	1.275	1.231	1.339	7.19
9)	Benzaldehyde	0.876	0.949	0.948	0.856	0.702	0.694		0.838	13.66
10) C	Phenol	1.463	1.759	1.745	1.649	1.490	1.568	1.445	1.588	8.29
11)	bis(2-Chloroet...	1.091	1.284	1.315	1.284	1.100	1.154	1.113	1.192	8.29
12)	1,3-Dichlorobe...	1.458	1.625	1.493	1.537	1.366	1.403	1.323	1.458	7.14
13) C	1,4-Dichlorobe...	1.319	1.624	1.578	1.567	1.376	1.394	1.342	1.457	8.75
14)	1,2-Dichlorobe...	1.392	1.394	1.501	1.448	1.257	1.328	1.239	1.366	7.07
15)	Benzyl Alcohol	1.107	1.147	1.151	1.195	1.044	1.079	1.050	1.110	5.10
16)	2,2'-oxybis(1-...	1.879	2.119	2.063	1.951	1.776	1.813	1.763	1.909	7.35
17)	2-Methylphenol	0.920	1.072	1.100	1.034	0.964	0.968	0.959	1.002	6.65
18)	Hexachloroethane	0.510	0.614	0.630	0.591	0.552	0.563	0.535	0.571	7.54
19) P	n-Nitroso-di-n...	0.892	0.980	1.011	0.927	0.875	0.868	0.841	0.913	6.84
20)	3+4-Methylphenols	1.333	1.495	1.440	1.384	1.207	1.254	1.202	1.331	8.66
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.530	0.493	0.505	0.481	0.481	0.479	0.460	0.490	4.58
23) S	Nitrobenzene-d5	0.381	0.394	0.386	0.386	0.383	0.382	0.364	0.382	2.35
24)	Nitrobenzene	0.386	0.352	0.373	0.382	0.366	0.375	0.356	0.370	3.44
25)	Isophorone	0.663	0.674	0.675	0.655	0.648	0.642	0.610	0.653	3.44
26) C	2-Nitrophenol	0.183	0.174	0.192	0.195	0.191	0.192	0.187	0.188	3.84
27)	2,4-Dimethylph...	0.270	0.268	0.277	0.275	0.259	0.257	0.259	0.266	3.08
28)	bis(2-Chloroet...	0.383	0.377	0.380	0.372	0.374	0.363	0.350	0.371	3.08
29) C	2,4-Dichloroph...	0.313	0.287	0.308	0.305	0.300	0.283	0.282	0.297	4.34
30)	1,2,4-Trichlor...	0.356	0.328	0.347	0.339	0.326	0.321	0.311	0.332	4.71
31)	Naphthalene	1.038	1.045	1.068	1.040	1.027	1.019	0.955	1.028	3.46
32)	Benzoic acid		0.074	0.117	0.141	0.157	0.166	0.171	0.138	26.86
33)	4-Chloroaniline	0.371	0.412	0.390	0.397	0.373	0.377	0.361	0.383	4.59
34) C	Hexachlorobuta...	0.199	0.191	0.213	0.207	0.201	0.194	0.186	0.199	4.71
35)	Caprolactam	0.064	0.082	0.073	0.087	0.080	0.079	0.087	0.079	10.36
36) C	4-Chloro-3-met...	0.310	0.324	0.320	0.313	0.301	0.307	0.297	0.310	3.10
37)	2-Methylnaphth...	0.727	0.721	0.708	0.691	0.682	0.667	0.640	0.691	4.47
38)	1-Methylnaphth...	0.685	0.685	0.657	0.646	0.629	0.632	0.592	0.646	5.15

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.561	0.570	0.604	0.577	0.578	0.574	0.554	0.574	2.79
41) P	Hexachlorocycl...	0.029	0.094	0.159	0.209	0.207			0.139	55.74
42) S	2,4,6-Tribromo...	0.155	0.178	0.195	0.186	0.179	0.181	0.176	0.179	6.78
43) C	2,4,6-Trichlor...	0.356	0.395	0.400	0.376	0.382	0.388	0.378	0.382	3.81
44)	2,4,5-Trichlor...	0.288	0.380	0.438	0.413	0.405	0.394	0.390	0.387	12.21
45) S	2-Fluorobiphenyl	1.385	1.350	1.469	1.373	1.346	1.350	1.295	1.367	3.88
46)	1,1'-Biphenyl	1.495	1.527	1.577	1.487	1.432	1.483	1.431	1.490	3.46
47)	2-Chloronaphth...	1.195	1.227	1.235	1.183	1.172	1.165	1.123	1.186	3.22
48)	2-Nitroaniline	0.300	0.357	0.371	0.349	0.353	0.355	0.353	0.348	6.37
49)	Acenaphthylene	1.792	1.914	1.952	1.757	1.748	1.759	1.686	1.801	5.34
50)	Dimethylphthalate	1.279	1.375	1.462	1.353	1.351	1.364	1.302	1.355	4.31
51)	2,6-Dinitrotol...	0.265	0.307	0.334	0.308	0.299	0.304	0.296	0.302	6.74
52) C	Acenaphthene	1.064	1.140	1.183	1.080	1.063	1.077	1.036	1.092	4.67
53)	3-Nitroaniline	0.317	0.319	0.343	0.310	0.311	0.306	0.319	0.318	3.81
54) P	2,4-Dinitrophenol		0.082	0.121	0.136	0.144	0.155	0.152	0.132	20.54
55)	Dibenzofuran	1.734	1.752	1.831	1.687	1.642	1.682	1.617	1.706	4.26
56) P	4-Nitrophenol	0.154	0.193	0.222	0.221	0.223	0.230	0.225	0.210	13.09
57)	2,4-Dinitrotol...	0.380	0.408	0.451	0.416	0.404	0.415	0.395	0.410	5.39
58)	Fluorene	1.327	1.317	1.430	1.307	1.258	1.317	1.203	1.308	5.30
59)	2,3,4,6-Tetrac...	0.218	0.275	0.315	0.300	0.310	0.306	0.307	0.290	11.83
60)	Diethylphthalate	1.372	1.476	1.476	1.363	1.343	1.367	1.339	1.391	4.29
61)	4-Chlorophenyl...	0.616	0.646	0.629	0.630	0.602	0.612	0.590	0.618	3.03
62)	4-Nitroaniline	0.273	0.311	0.335	0.316	0.306	0.321	0.298	0.309	6.30
63)	Azobenzene	1.301	1.409	1.464	1.348	1.324	1.356	1.318	1.360	4.23
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.116	0.124	0.125	0.129	0.132	0.126	0.125	4.24
66) c	n-Nitrosodiphe...	0.635	0.673	0.663	0.666	0.637	0.640	0.623	0.648	2.89
67)	4-Bromophenyl-...	0.198	0.226	0.235	0.225	0.225	0.213	0.211	0.219	5.65
68)	Hexachlorobenzene	0.236	0.240	0.249	0.241	0.237	0.236	0.229	0.238	2.61
69)	Atrazine	0.183	0.204	0.206	0.198	0.196	0.193	0.183	0.195	4.71
70) C	Pentachlorophenol		0.069	0.104	0.107	0.106	0.111	0.113	0.102	16.13
71)	Phenanthrene	1.073	1.155	1.118	1.108	1.056	1.054	1.031	1.085	4.03
72)	Anthracene	1.085	1.153	1.143	1.094	1.079	1.043	1.022	1.088	4.38
73)	Carbazole	1.001	1.058	1.030	1.002	0.985	0.979	0.931	0.998	4.01
74)	Di-n-butylphth...	1.297	1.317	1.329	1.262	1.249	1.236	1.190	1.268	3.87
75) C	Fluoranthene	1.140	1.203	1.180	1.129	1.093	1.082	1.029	1.122	5.31
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.664	0.522	0.509	0.450	0.531		0.535	14.64
78)	Pyrene	1.465	1.529	1.550	1.596	1.677	1.575	1.635	1.575	4.42
79) S	Terphenyl-d14	1.145	1.143	1.218	1.176	1.263	1.152	1.204	1.186	3.78
80)	Butylbenzylpht...	0.636	0.672	0.717	0.696	0.739	0.731	0.717	0.701	5.20
81)	Benzo(a)anthra...	1.342	1.266	1.339	1.291	1.349	1.282	1.254	1.303	3.01
82)	3,3'-Dichlorob...	0.352	0.352	0.399	0.355	0.346	0.325	0.277	0.344	10.73
83)	Chrysene	1.276	1.265	1.280	1.259	1.312	1.222	1.206	1.260	2.85
84)	Bis(2-ethylhex...	0.877	0.898	1.024	1.004	1.020	0.993	0.991	0.973	6.14
85) c	Di-n-octyl pht...	1.481	1.474	1.591	1.533	1.608	1.587	1.466	1.534	4.00

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.085	1.178	1.162	1.173	1.235	1.173	1.331	1.191	6.35	
88)	Benzo(b)fluora...	1.344	1.452	1.395	1.478	1.369	1.434	1.359	1.404	3.63	
89)	Benzo(k)fluora...	1.139	1.301	1.370	1.316	1.323	1.248	1.245	1.277	5.87	
90) C	Benzo(a)pyrene	1.118	1.261	1.244	1.218	1.191	1.169	1.170	1.196	4.12	
91)	Dibenzo(a,h)an...	0.946	1.053	1.027	1.053	1.071	1.019	1.161	1.047	6.16	
92)	Benzo(g,h,i)pe...	0.942	0.977	0.934	0.975	1.059	0.995	1.151	1.004	7.62	

(#) = Out of Range