

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF042219.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 03 04:47:00 2018
 Response Via : Initial Calibration

Calibration Files

10 =BF113875.D 20 =BF113876.D 40 =BF113877.D 50 =BF113878.D 60 =BF113879.D 80 =BF113880.D 100 =BF113881.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.570	0.562	0.552	0.548	0.552	0.537	0.537	0.551	2.23
3)	Pyridine	1.552	1.513	1.510	1.503	1.498	1.477	1.478	1.505	1.68
4)	n-Nitrosodimet...	0.510	0.512	0.513	0.517	0.518	0.515	0.521	0.515	0.75
5) S	2-Fluorophenol	1.304	1.251	1.189	1.163	1.133	1.086	1.059	1.169	7.45
6)	Aniline	2.205	2.140	2.028	2.015	1.984	1.901	1.829	2.015	6.42
7) S	Phenol-d6	1.646	1.565	1.489	1.460	1.434	1.356	1.320	1.467	7.75
8)	2-Chlorophenol	1.478	1.423	1.357	1.348	1.303	1.240	1.197	1.335	7.36
9)	Benzaldehyde	1.167	1.024	0.848	0.766	0.713	0.633		0.859	23.46
10) C	Phenol	1.935	1.849	1.785	1.763	1.734	1.636	1.577	1.754	6.93
11)	bis(2-Chloroet...	1.421	1.376	1.330	1.323	1.305	1.260	1.227	1.320	4.98
12)	1,3-Dichlorobe...	1.681	1.605	1.534	1.509	1.475	1.412	1.368	1.512	7.14
13) C	1,4-Dichlorobe...	1.710	1.632	1.545	1.514	1.480	1.409	1.356	1.521	8.06
14)	1,2-Dichlorobe...	1.604	1.537	1.434	1.388	1.346	1.278	1.197	1.398	10.16
15)	Benzyl Alcohol	0.917	0.972	1.009	1.017	1.021	1.006	0.975	0.988	3.73
16)	2,2'-oxybis(1-...	1.664	1.626	1.561	1.536	1.519	1.454	1.427	1.541	5.56
17)	2-Methylphenol	1.264	1.265	1.186	1.130	1.155	1.110	1.081	1.170	6.20
18)	Hexachloroethane	0.561	0.558	0.538	0.539	0.527	0.510	0.498	0.533	4.36
19) P	n-Nitroso-di-n...	1.056	1.000	0.950	0.936	0.929	0.904	0.874	0.950	6.39
20)	3+4-Methylphenols	1.550	1.455	1.372	1.318	1.273	1.184	1.103	1.322	11.60
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.514	0.487	0.448	0.439	0.428	0.405	0.395	0.445	9.59
23) S	Nitrobenzene-d5	0.305	0.331	0.332	0.333	0.330	0.321	0.315	0.324	3.32
24)	Nitrobenzene	0.355	0.372	0.367	0.366	0.363	0.343	0.340	0.358	3.39
25)	Isophorone	0.720	0.694	0.656	0.651	0.649	0.639	0.630	0.663	4.87
26) C	2-Nitrophenol	0.127	0.153	0.167	0.172	0.176	0.173	0.175	0.163	10.95
27)	2,4-Dimethylph...	0.276	0.286	0.272	0.267	0.263	0.249	0.250	0.266	5.10
28)	bis(2-Chloroet...	0.465	0.448	0.425	0.420	0.413	0.399	0.386	0.422	6.45
29) C	2,4-Dichloroph...	0.328	0.321	0.309	0.305	0.300	0.286	0.281	0.304	5.60
30)	1,2,4-Trichlor...	0.376	0.360	0.343	0.336	0.332	0.317	0.311	0.339	6.71
31)	Naphthalene	1.110	1.048	0.970	0.938	0.915	0.855	0.814	0.950	10.91
32)	Benzoic acid	0.145	0.158	0.190	0.189	0.207	0.182	0.187	0.180	11.75
33)	4-Chloroaniline	0.447	0.432	0.401	0.395	0.387	0.381	0.371	0.402	6.85
34) C	Hexachlorobuta...	0.233	0.226	0.214	0.211	0.209	0.197	0.190	0.211	7.11
35)	Caprolactam	0.103	0.100	0.095	0.096	0.094	0.093	0.097	0.097	3.76
36) C	4-Chloro-3-met...	0.327	0.321	0.303	0.299	0.297	0.287	0.276	0.301	5.93
37)	2-Methylnaphth...	0.748	0.709	0.651	0.635	0.615	0.576	0.552	0.641	10.84
38)	1-Methylnaphth...	0.727	0.684	0.623	0.612	0.597	0.555	0.530	0.618	11.12

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39)	I	Acenaphthene-d10	-----ISTD-----								
40)		1,2,4,5-Tetrac...	0.732	0.698	0.660	0.650	0.634	0.597	0.578	0.650	8.26
41)	P	Hexachlorocycl...	0.355	0.366	0.372	0.371	0.368	0.350	0.353	0.362	2.51
42)	S	2,4,6-Tribromo...	0.270	0.268	0.251	0.243	0.240	0.225	0.209	0.244	9.01
43)	C	2,4,6-Trichlor...	0.429	0.428	0.416	0.411	0.406	0.403	0.394	0.413	3.12
44)		2,4,5-Trichlor...	0.492	0.475	0.467	0.468	0.464	0.445	0.430	0.463	4.38
45)	S	2-Fluorobiphenyl	1.572	1.437	1.262	1.193	1.148	1.060		1.279	14.98
46)		1,1'-Biphenyl	1.799	1.697	1.543	1.510	1.457	1.372	1.316	1.528	11.23
47)		2-Chloronaphth...	1.417	1.333	1.253	1.231	1.206	1.150	1.107	1.242	8.55
48)		2-Nitroaniline	0.273	0.321	0.336	0.342	0.339	0.342	0.327	0.326	7.47
49)		Acenaphthylene	2.275	2.173	1.970	1.918	1.853	1.750	1.676	1.945	11.12
50)		Dimethylphthalate	1.650	1.556	1.438	1.422	1.400	1.346	1.314	1.446	8.18
51)		2,6-Dinitrotol...	0.263	0.306	0.321	0.322	0.327	0.319	0.314	0.310	7.11
52)	C	Acenaphthene	1.323	1.237	1.161	1.138	1.113	1.057	1.018	1.150	9.07
53)		3-Nitroaniline	0.308	0.325	0.332	0.337	0.335	0.330	0.316	0.326	3.27
54)	P	2,4-Dinitrophenol	0.065	0.082	0.108	0.120	0.131	0.137	0.137	0.112	25.36
55)		Dibenzofuran	2.029	1.918	1.755	1.706	1.642	1.544	1.459	1.722	11.65
56)	P	4-Nitrophenol	0.224	0.256	0.264	0.269	0.273	0.268	0.253	0.258	6.38
57)		2,4-Dinitrotol...	0.314	0.378	0.398	0.416	0.421	0.418	0.397	0.392	9.57
58)		Fluorene	1.605	1.465	1.313	1.256	1.222	1.141	1.071	1.296	14.30
59)		2,3,4,6-Tetrac...	0.427	0.429	0.412	0.408	0.405	0.394	0.371	0.407	4.88
60)		Diethylphthalate	1.570	1.499	1.387	1.364	1.322	1.268	1.203	1.374	9.27
61)		4-Chlorophenyl...	0.819	0.775	0.700	0.680	0.655	0.610	0.567	0.687	12.84
62)		4-Nitroaniline	0.312	0.322	0.320	0.319	0.331	0.321	0.303	0.318	2.68
63)		Azobenzene	1.532	1.449	1.353	1.317	1.283	1.228	1.158	1.331	9.58
64)	I	Phenanthrene-d10	-----ISTD-----								
65)		4,6-Dinitro-2-...	0.048	0.066	0.082	0.090	0.097	0.100	0.100	0.083	23.59
66)	c	n-Nitrosodiphe...	0.684	0.650	0.601	0.594	0.580	0.548	0.543	0.600	8.56
67)		4-Bromophenyl-...	0.265	0.260	0.244	0.237	0.235	0.228	0.222	0.242	6.72
68)		Hexachlorobenzene	0.293	0.285	0.272	0.265	0.258	0.245	0.241	0.266	7.26
69)		Atrazine	0.237	0.219	0.195	0.186	0.179	0.155		0.195	14.92
70)	C	Pentachlorophenol	0.137	0.149	0.154	0.156	0.156	0.154	0.146	0.150	4.48
71)		Phenanthrene	1.196	1.127	1.023	0.993	0.950	0.892	0.855	1.005	12.19
72)		Anthracene	1.224	1.145	1.034	0.994	0.966	0.893	0.849	1.015	13.10
73)		Carbazole	1.088	1.011	0.921	0.888	0.862	0.807	0.761	0.906	12.55
74)		Di-n-butylphth...	1.285	1.203	1.094	1.046	1.011	0.939	0.879	1.065	13.40
75)	C	Fluoranthene	1.328	1.219	1.079	1.031	1.001	0.922		1.097	13.71
76)	I	Chrysene-d12	-----ISTD-----								
77)		Benzidine	0.747	0.622	0.555	0.601	0.454			0.596	17.86
78)		Pyrene	1.430	1.428	1.433	1.425	1.380	1.366	1.328	1.399	2.93
79)	S	Terphenyl-d14	1.105	1.067	1.004	0.980	0.927	0.886	0.859	0.976	9.35
80)		Butylbenzylphth...	0.552	0.547	0.557	0.557	0.558	0.553	0.527	0.550	1.97
81)		Benzo(a)anthra...	1.327	1.243	1.188	1.179	1.135	1.108	1.068	1.178	7.39
82)		3,3'-Dichlorob...	0.518	0.492	0.449	0.432	0.409	0.381	0.343	0.432	14.16
83)		Chrysene	1.280	1.217	1.163	1.138	1.117	1.068	1.051	1.148	7.04
84)		Bis(2-ethylhex...	0.756	0.716	0.702	0.706	0.694	0.682	0.645	0.700	4.82
85)	c	Di-n-octyl pht...	1.214	1.121	1.101	1.084	1.074	1.050	1.027	1.096	5.54
86)		Indeno(1,2,3-c...	1.036	0.945	1.019	1.049	1.063	1.182	1.316	1.087	11.32

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87) I	Perylene-d12									
88)	Benzo(b)fluora...	1.319	1.319	1.260	1.312	1.300	1.223	1.124	1.265	5.66
89)	Benzo(k)fluora...	1.244	1.211	1.121	1.049	1.032	0.990	0.971	1.088	9.81
90) C	Benzo(a)pyrene	1.158	1.150	1.106	1.100	1.081	1.052	1.015	1.094	4.64
91)	Dibenzo(a,h)an...	0.960	0.969	1.022	1.046	1.053	1.071	1.071	1.027	4.48
92)	Benzo(g,h,i)pe...	0.899	0.923	1.020	1.063	1.073	1.130	1.150	1.037	9.29

(#) = Out of Range