

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF051019.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 =BF114114.D 20 =BF114115.D 40 =BF114116.D 50 =BF114121.D 60 =BF114118.D 80 =BF114119.D 100 =BF114120.D

	Compound	10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.697	0.666	0.697	0.675	0.710	0.666	0.671	0.683	2.63
3)	Pyridine	1.864	1.896	1.854	1.861	1.953	1.897	1.851	1.882	1.94
4)	n-Nitrosodimet...	0.918	0.868	0.915	0.886	0.954	0.912	0.901	0.908	2.98
5) S	2-Fluorophenol	1.435	1.361	1.273	1.196	1.259	1.162	1.015	1.243	11.01
6)	Aniline	2.360	2.303	2.162	2.051	2.090	1.991	1.906	2.123	7.70
7) S	Phenol-d6	1.641	1.648	1.471	1.422	1.430	1.378	1.298	1.470	8.90
8)	2-Chlorophenol	1.484	1.438	1.339	1.295	1.307	1.252	1.172	1.327	8.03
9)	Benzaldehyde	1.160	1.267	1.096	0.951	0.977	0.926	0.827	1.029	14.76
10) C	Phenol	1.942	1.939	1.760	1.682	1.671	1.588	1.521	1.729	9.43
11)	bis(2-Chloroet...	1.424	1.387	1.320	1.277	1.309	1.262	1.211	1.313	5.58
12)	1,3-Dichlorobe...	1.667	1.593	1.486	1.435	1.462	1.437	1.345	1.489	7.24
13) C	1,4-Dichlorobe...	1.657	1.613	1.500	1.457	1.468	1.477	1.333	1.501	7.12
14)	1,2-Dichlorobe...	1.565	1.527	1.402	1.348	1.341	1.238	1.176	1.371	10.31
15)	Benzyl Alcohol	1.221	1.233	1.169	1.130	1.144	1.095	1.032	1.146	6.14
16)	2,2'-oxybis(1-...	2.810	2.748	2.580	2.471	2.499	2.430	2.279	2.545	7.25
17)	2-Methylphenol	1.156	1.136	1.091	1.065	1.077	1.108	0.996	1.090	4.80
18)	Hexachloroethane	0.614	0.602	0.570	0.545	0.550	0.547	0.514	0.563	6.22
19) P	n-Nitroso-di-n...	1.031	0.994	0.911	0.893	0.918	0.896	0.877	0.932	6.23
20)	3+4-Methylphenols	1.517	1.445	1.268	1.233	1.186	1.119	1.047	1.259	13.44
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.511	0.483	0.449	0.423	0.422	0.414	0.400	0.443	9.12
23) S	Nitrobenzene-d5	0.381	0.375	0.363	0.345	0.350	0.346	0.335	0.356	4.76
24)	Nitrobenzene	0.387	0.387	0.373	0.353	0.359	0.345	0.337	0.363	5.45
25)	Isophorone	0.692	0.677	0.647	0.622	0.643	0.707	0.639	0.661	4.72
26) C	2-Nitrophenol	0.164	0.172	0.177	0.173	0.180	0.193	0.173	0.176	5.11
27)	2,4-Dimethylph...	0.288	0.287	0.279	0.262	0.271	0.290	0.259	0.277	4.61
28)	bis(2-Chloroet...	0.464	0.448	0.429	0.410	0.415	0.443	0.392	0.429	5.80
29) C	2,4-Dichloroph...	0.290	0.289	0.282	0.266	0.269	0.278	0.254	0.275	4.78
30)	1,2,4-Trichlor...	0.343	0.335	0.319	0.303	0.307	0.300	0.285	0.313	6.58
31)	Naphthalene	1.087	1.053	0.971	0.906	0.893	0.828	0.801	0.934	11.60
32)	Benzoic acid	0.114	0.151	0.180	0.186	0.198	0.228	0.210	0.181	21.03
33)	4-Chloroaniline	0.474	0.459	0.441	0.415	0.412	0.398	0.382	0.426	7.85
34) C	Hexachlorobuta...	0.200	0.195	0.184	0.174	0.176	0.159	0.160	0.178	8.77
35)	Caprolactam	0.093	0.096	0.095	0.092	0.095	0.069	0.089	0.090	10.60
36) C	4-Chloro-3-met...	0.311	0.302	0.290	0.276	0.280	0.215	0.268	0.277	11.30
37)	2-Methylnaphth...	0.714	0.686	0.629	0.602	0.592	0.450	0.547	0.603	14.63
38)	1-Methylnaphth...	0.665	0.647	0.598	0.570	0.557	0.429	0.508	0.568	14.29

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.683	0.663	0.633	0.588	0.585	0.558	0.530	0.606	9.23	
41) P	Hexachlorocycl...	0.168	0.232	0.272	0.260	0.282	0.290	0.282	0.255	16.74	
42) S	2,4,6-Tribromo...	0.212	0.216	0.206	0.211	0.192	0.230	0.180	0.207	7.91	
43) C	2,4,6-Trichlor...	0.427	0.438	0.435	0.408	0.410	0.399	0.400	0.417	3.90	
44)	2,4,5-Trichlor...	0.442	0.450	0.446	0.417	0.430	0.401	0.405	0.427	4.67	
45) S	2-Fluorobiphenyl	1.586	1.497	1.314	1.225	1.154	1.157		1.322	13.75	
46)	1,1'-Biphenyl	1.869	1.808	1.661	1.575	1.507	1.537	1.353	1.616	11.07	
47)	2-Chloronaphth...	1.454	1.429	1.346	1.262	1.238	1.247	1.126	1.300	8.92	
48)	2-Nitroaniline	0.453	0.477	0.474	0.456	0.457	0.467	0.445	0.461	2.55	
49)	Acenaphthylene	2.266	2.218	2.052	1.931	1.868	1.849	1.659	1.978	10.90	
50)	Dimethylphthalate	1.604	1.576	1.496	1.419	1.412	1.422	1.349	1.468	6.39	
51)	2,6-Dinitrotol...	0.337	0.337	0.333	0.320	0.326	0.313	0.313	0.326	3.24	
52) C	Acenaphthene	1.382	1.308	1.238	1.160	1.126	1.239	1.043	1.214	9.41	
53)	3-Nitroaniline	0.423	0.422	0.416	0.404	0.398	0.389	0.378	0.404	4.22	
54) P	2,4-Dinitrophenol	0.085	0.111	0.139	0.154	0.163			0.131	24.72	
55)	Dibenzofuran	2.017	1.945	1.801	1.708	1.631	1.919	1.436	1.780	11.44	
56) P	4-Nitrophenol	0.239	0.275	0.284	0.281	0.283	0.355	0.284	0.286	12.02	
57)	2,4-Dinitrotol...	0.434	0.449	0.444	0.432	0.427	0.511	0.397	0.442	7.81	
58)	Fluorene	1.577	1.499	1.380	1.316	1.253	1.462	1.136	1.375	11.09	
59)	2,3,4,6-Tetrac...	0.362	0.369	0.373	0.353	0.367	0.422	0.335	0.369	7.25	
60)	Diethylphthalate	1.641	1.599	1.475	1.411	1.378	1.676	1.262	1.492	10.24	
61)	4-Chlorophenyl...	0.775	0.747	0.679	0.646	0.612	0.720	0.546	0.675	11.90	
62)	4-Nitroaniline	0.420	0.420	0.415	0.422	0.405	0.498	0.395	0.425	7.89	
63)	Azobenzene	1.554	1.539	1.437	1.412	1.328	1.615	1.223	1.444	9.55	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.073	0.087	0.098	0.100	0.106	0.101	0.107	0.096	12.33	
66) c	n-Nitrosodiphe...	0.687	0.670	0.629	0.579	0.591	0.553	0.541	0.607	9.29	
67)	4-Bromophenyl-...	0.244	0.237	0.224	0.221	0.212	0.207	0.197	0.220	7.44	
68)	Hexachlorobenzene	0.277	0.268	0.248	0.241	0.233	0.221	0.218	0.244	9.21	
69)	Atrazine	0.212	0.206	0.190	0.191	0.184	0.168	0.171	0.189	8.67	
70) C	Pentachlorophenol	0.094	0.111	0.121	0.122	0.121	0.118	0.121	0.115	9.00	
71)	Phenanthrene	1.159	1.108	0.999	0.940	0.929	0.853	0.823	0.973	12.84	
72)	Anthracene	1.160	1.121	1.014	0.950	0.934	0.834	0.828	0.977	13.26	
73)	Carbazole	1.098	1.035	0.961	0.900	0.885	0.842	0.803	0.932	11.32	
74)	Di-n-butylphth...	1.278	1.255	1.112	1.040	1.023	0.913	0.894	1.074	14.12	
75) C	Fluoranthene	1.264	1.185	1.074	1.001	1.004	0.942	0.865	1.048	13.20	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.927	0.950	0.875	0.706	0.838	1.090		0.898	14.20	
78)	Pyrene	1.643	1.632	1.546	1.411	1.528	2.015	1.488	1.609	12.20	
79) S	Terphenyl-d14	1.124	1.064	0.929	0.845	0.880	1.100	0.850	0.970	12.55	
80)	Butylbenzylpht...	0.636	0.679	0.674	0.644	0.696	0.717	0.693	0.677	4.27	
81)	Benzo(a)anthra...	1.442	1.385	1.319	1.225	1.252	1.266	1.166	1.294	7.36	
82)	3,3'-Dichlorob...	0.545	0.555	0.531	0.485	0.498	0.462	0.436	0.502	8.82	
83)	Chrysene	1.411	1.389	1.291	1.196	1.232	1.208	1.150	1.268	7.85	
84)	Bis(2-ethylhex...	0.905	0.927	0.893	0.856	0.877	0.903	0.838	0.886	3.44	
85) c	Di-n-octyl pht...	1.485	1.517	1.481	1.400	1.436	1.415	1.317	1.436	4.68	
86)	Indeno(1,2,3-c...	1.243	1.118	1.084	1.003	1.093	1.111	1.192	1.121	6.93	

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87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.310	1.303	1.276	1.230	1.342	1.331	1.177	1.281	4.61
89)		Benzo(k)fluora...	1.305	1.318	1.243	1.171	1.077	1.094	1.031	1.177	9.75
90)	C	Benzo(a)pyrene	1.193	1.171	1.146	1.120	1.108	1.118	1.038	1.128	4.44
91)		Dibenzo(a,h)an...	0.987	0.931	0.918	0.843	0.929	0.994	0.957	0.937	5.40
92)		Benzo(g,h,i)pe...	0.926	0.885	0.902	0.848	0.952	1.034	1.028	0.939	7.51

(#) = Out of Range