Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP110724.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Nov 07 23:36:11 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP022914.D 5 =BP022915.D 10 =BP022916.D 20 =BP022917.D 40 =BP022918.D 50 =BP022919.D 60 =BP022920.D 80 =BP0229
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.499	0.417	0.417	0.422	0.393	0.404	0.393	0.421	8.62
3)		Pyridine		1.147	1.097	1.199	1.164	1.138	1.179	1.163	1.155	2.82
4)		n-Nitrosodimet...		0.549	0.566	0.567	0.558	0.550	0.562	0.547	0.557	1.49
5)	S	2-Fluorophenol		1.048	1.021	1.062	1.067	1.032	1.079	1.068	1.054	2.01
6)		Aniline		1.309	1.273	1.298	1.239	1.173	1.192	1.092	1.225	6.37
7)	S	Phenol-d6		1.454	1.427	1.504	1.473	1.444	1.507	1.479	1.470	2.04
8)		2-Chlorophenol		1.110	1.082	1.126	1.115	1.071	1.129	1.100	1.105	1.98
9)		Benzaldehyde		0.962	0.978	0.987	0.845	0.767	0.754	0.653	0.849	15.40
10)	C	Phenol		1.393	1.399	1.501	1.475	1.451	1.501	1.467	1.456	3.05
11)		bis(2-Chloroet...		1.144	1.066	1.106	1.097	1.073	1.122	1.090	1.100	2.48
12)		1,3-Dichlorobe...		1.492	1.411	1.434	1.396	1.372	1.404	1.359	1.410	3.12
13)	C	1,4-Dichlorobe...		1.521	1.441	1.484	1.409	1.389	1.442	1.392	1.440	3.40
14)		1,2-Dichlorobe...		1.491	1.422	1.426	1.373	1.333	1.364	1.333	1.392	4.14
15)		Benzyl Alcohol		1.269	0.961	1.087	1.108	1.091	1.159	1.117	1.113	8.28
16)		2,2'-oxybis(1-...		1.266	1.216	1.256	1.173	1.140	1.176	1.125	1.193	4.59
17)		2-Methylphenol		0.965	0.918	1.007	1.010	0.975	1.043	0.998	0.988	4.04
18)		Hexachloroethane		0.577	0.535	0.543	0.524	0.507	0.528	0.513	0.533	4.36
19)	P	n-Nitroso-di-n...	0.981	1.061	1.020	1.078	1.010	0.956	0.993	0.949	1.006	4.58
20)		3+4-Methylphenols		1.338	1.322	1.421	1.392	1.366	1.435	1.393	1.381	3.00
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.579	0.520	0.528	0.526	0.526	0.532	0.516	0.532	3.98
23)	S	Nitrobenzene-d5		0.432	0.404	0.432	0.427	0.424	0.430	0.415	0.423	2.47
24)		Nitrobenzene		0.429	0.427	0.431	0.435	0.428	0.438	0.423	0.430	1.15
25)		Isophorone		0.729	0.705	0.715	0.717	0.714	0.726	0.709	0.717	1.22
26)	C	2-Nitrophenol		0.172	0.163	0.170	0.179	0.182	0.187	0.183	0.177	4.70
27)		2,4-Dimethylph...		0.206	0.192	0.200	0.200	0.202	0.209	0.203	0.202	2.65
28)		bis(2-Chloroet...		0.429	0.399	0.407	0.406	0.400	0.410	0.398	0.407	2.65
29)	C	2,4-Dichloroph...		0.333	0.328	0.343	0.358	0.355	0.365	0.362	0.349	4.23
30)		1,2,4-Trichlor...		0.481	0.440	0.442	0.439	0.436	0.449	0.436	0.446	3.56
31)		Naphthalene		1.030	0.990	0.995	1.000	1.003	1.012	0.985	1.002	1.50
32)		Benzoic acid		0.198	0.215	0.237	0.254	0.264	0.263	0.265	0.242	11.03
33)		4-Chloroaniline		0.357	0.343	0.366	0.365	0.359	0.366	0.340	0.357	3.04
34)	C	Hexachlorobuta...		0.350	0.326	0.323	0.328	0.320	0.327	0.316	0.327	3.30
35)		Caprolactam		0.106	0.095	0.105	0.106	0.106	0.109	0.105	0.104	4.28
36)	C	4-Chloro-3-met...		0.375	0.372	0.397	0.397	0.391	0.401	0.391	0.389	2.86
37)		2-Methylnaphth...		0.796	0.724	0.740	0.747	0.743	0.764	0.739	0.751	3.13
38)		1-Methylnaphth...		0.762	0.732	0.751	0.750	0.740	0.750	0.730	0.745	1.54

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.707	0.656	0.673	0.667	0.654	0.699	0.684	0.677	3.03
41)	P	Hexachlorocycl...		0.143	0.174	0.202	0.197	0.213	0.211	0.190	14.11
42)	S	2,4,6-Tribromo...	0.384	0.368	0.386	0.383	0.383	0.402	0.408	0.388	3.49
43)	C	2,4,6-Trichlor...	0.414	0.408	0.432	0.437	0.427	0.445	0.451	0.431	3.69
44)		2,4,5-Trichlor...	0.485	0.463	0.484	0.496	0.475	0.516	0.513	0.490	3.97
45)	S	2-Fluorobiphenyl	1.479	1.374	1.398	1.366	1.343	1.411	1.426	1.400	3.21
46)		1,1'-Biphenyl	1.403	1.300	1.333	1.326	1.264	1.346	1.334	1.330	3.22
47)		2-Chloronaphth...	1.179	1.069	1.106	1.085	1.053	1.118	1.114	1.103	3.70
48)		2-Nitroaniline	0.311	0.291	0.325	0.327	0.323	0.338	0.336	0.321	5.02
49)		Acenaphthylene	1.555	1.487	1.549	1.529	1.509	1.581	1.576	1.541	2.24
50)		Dimethylphthalate	1.530	1.428	1.489	1.446	1.419	1.479	1.460	1.464	2.63
51)		2,6-Dinitrotol...	0.328	0.317	0.339	0.331	0.327	0.347	0.343	0.333	3.08
52)	C	Acenaphthene	1.014	0.965	0.996	0.989	0.949	1.018	1.003	0.991	2.55
53)		3-Nitroaniline	0.247	0.256	0.270	0.277	0.276	0.282	0.285	0.271	5.20
54)	P	2,4-Dinitrophenol		0.154	0.188	0.217	0.214	0.233	0.235	0.207	14.96
55)		Dibenzofuran	1.804	1.705	1.774	1.696	1.676	1.779	1.747	1.740	2.79
56)	P	4-Nitrophenol	0.167	0.178	0.231	0.236	0.237	0.252	0.257	0.222	16.10
57)		2,4-Dinitrotol...	0.438	0.446	0.485	0.487	0.475	0.516	0.522	0.481	6.61
58)		Fluorene	1.488	1.410	1.461	1.427	1.400	1.462	1.472	1.446	2.31
59)		2,3,4,6-Tetrac...	0.476	0.452	0.476	0.475	0.458	0.482	0.490	0.473	2.86
60)		Diethylphthalate	1.506	1.437	1.456	1.435	1.421	1.478	1.462	1.456	1.99
61)		4-Chlorophenyl...	0.873	0.844	0.863	0.830	0.821	0.874	0.860	0.852	2.47
62)		4-Nitroaniline	0.218	0.251	0.272	0.292	0.296	0.311	0.303	0.278	11.92
63)		Azobenzene	1.239	1.257	1.293	1.261	1.214	1.251	1.251	1.252	1.89
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.098	0.106	0.116	0.129	0.131	0.138	0.133	0.122	12.55
66)	c	n-Nitrosodiphe...	0.504	0.486	0.496	0.498	0.488	0.511	0.479	0.494	2.24
67)		4-Bromophenyl-...	0.241	0.239	0.240	0.240	0.240	0.245	0.234	0.240	1.45
68)		Hexachlorobenzene	0.311	0.312	0.310	0.302	0.298	0.313	0.304	0.307	1.85
69)		Atrazine	0.203	0.196	0.155	0.184	0.131	0.148	0.149	0.167	16.44
70)	C	Pentachlorophenol	0.177	0.184	0.191	0.204	0.202	0.211	0.204	0.196	6.33
71)		Phenanthrene	0.996	0.963	0.971	0.966	0.947	0.982	0.950	0.968	1.79
72)		Anthracene	0.906	0.914	0.930	0.936	0.927	0.967	0.923	0.929	2.12
73)		Carbazole	0.875	0.872	0.908	0.891	0.880	0.907	0.879	0.887	1.70
74)		Di-n-butylphth...	0.949	0.988	0.982	1.002	1.009	1.012	0.979	0.989	2.20
75)	C	Fluoranthene	1.332	1.337	1.366	1.365	1.330	1.352	1.316	1.343	1.41
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.384	0.388	0.178	0.474	0.482	0.411	0.450	0.395	26.18
78)		Pyrene	1.135	1.170	1.194	1.165	1.199	1.229	1.194	1.184	2.53
79)	S	Terphenyl-d14	1.056	1.059	1.061	1.044	1.068	1.092	1.075	1.065	1.43
80)		Butylbenzylpht...	0.361	0.393	0.398	0.412	0.415	0.423	0.424	0.404	5.56
81)		Benzo(a)anthra...	1.279	1.244	1.253	1.210	1.230	1.269	1.228	1.245	1.94
82)		3,3'-Dichlorob...	0.485	0.481	0.508	0.496	0.517	0.524	0.515	0.504	3.29
83)		Chrysene	1.178	1.177	1.170	1.150	1.153	1.167	1.165	1.166	0.94
84)		Bis(2-ethylhex...	0.546	0.558	0.572	0.569	0.593	0.607	0.610	0.579	4.26
85)	c	Di-n-octyl pht...	0.921	0.932	0.942	0.972	1.006	0.995	1.009	0.968	3.78

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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.405	1.350	1.352	1.325	1.314	1.364	1.334	1.349	2.21
88)		Benzo(b)fluora...	1.160	1.188	1.136	1.197	1.160	1.206	1.178	1.175	2.09
89)		Benzo(k)fluora...	1.129	1.118	1.129	1.077	1.092	1.141	1.081	1.110	2.34
90)	C	Benzo(a)pyrene	1.003	0.979	1.009	1.003	1.000	1.020	1.022	1.005	1.41
91)		Dibenzo(a,h)an...	1.181	1.106	1.104	1.074	1.075	1.110	1.093	1.106	3.28
92)		Benzo(g,h,i)pe...	1.189	1.119	1.128	1.124	1.093	1.146	1.135	1.133	2.60

(#) = Out of Range