Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG101818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 18 14:06:42 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BG037411.D 10 =BG037412.D 25 =BG037413.D 40 =BG037414.D 50 =BG037415.D 60 =BG037416.D 80 =BG037417.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.608	0.640	0.632	0.587	0.590	0.589	0.601	0.607	3.54
3)		Pyridine	1.526	1.481	1.519	1.505	1.525	1.581	1.567	1.529	2.25
4)		n-Nitrosodimet...	0.527	0.532	0.545	0.531	0.529	0.577	0.571	0.545	3.85
5)	S	2-Fluorophenol	1.204	1.204	1.201	1.184	1.174	1.206	1.200	1.196	1.02
6)		Aniline	2.143	2.209	2.231	2.186	2.192	2.251	2.236	2.207	1.67
7)	S	Phenol-d6	1.848	1.842	1.823	1.807	1.758	1.812	1.772	1.809	1.86
8)		2-Chlorophenol	1.427	1.451	1.395	1.386	1.371	1.383	1.384	1.399	2.05
9)		Benzaldehyde	1.325	1.292	1.217	1.116	1.045	1.007	0.919	1.132	13.44
10)	C	Phenol	1.933	1.961	1.936	1.892	1.851	1.905	1.882	1.909	1.96
11)		bis(2-Chloroet...	1.414	1.476	1.461	1.418	1.437	1.474	1.467	1.450	1.81
12)		1,3-Dichlorobe...	1.576	1.604	1.572	1.522	1.515	1.571	1.547	1.558	2.05
13)	C	1,4-Dichlorobe...	1.677	1.656	1.590	1.560	1.528	1.569	1.576	1.594	3.36
14)		1,2-Dichlorobe...	1.642	1.597	1.531	1.502	1.456	1.506	1.497	1.533	4.20
15)		Benzyl Alcohol	1.236	1.295	1.348	1.355	1.330	1.396	1.396	1.337	4.26
16)		2,2'-oxybis(1-...	2.597	2.652	2.618	2.547	2.519	2.615	2.608	2.594	1.76
17)		2-Methylphenol	1.257	1.243	1.255	1.272	1.242	1.282	1.282	1.262	1.34
18)		Hexachloroethane	0.527	0.540	0.540	0.536	0.542	0.566	0.553	0.543	2.31
19)	P	n-Nitroso-di-n...	1.251	1.198	1.251	1.266	1.230	1.267	1.258	1.246	1.97
20)		3+4-Methylphenols	1.718	1.879	1.784	1.804	1.772	1.849	1.823	1.804	2.93
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.528	0.515	0.508	0.502	0.483	0.492	0.484	0.502	3.31
23)	S	Nitrobenzene-d5	0.355	0.355	0.361	0.359	0.357	0.356	0.356	0.357	0.62
24)		Nitrobenzene	0.362	0.378	0.373	0.375	0.370	0.368	0.371	0.371	1.43
25)		Isophorone	0.603	0.635	0.656	0.671	0.668	0.669	0.666	0.652	3.84
26)	C	2-Nitrophenol	0.142	0.144	0.163	0.173	0.180	0.183	0.186	0.167	10.92
27)		2,4-Dimethylph...	0.301	0.305	0.299	0.302	0.293	0.295	0.293	0.298	1.57
28)		bis(2-Chloroet...	0.426	0.432	0.434	0.433	0.424	0.425	0.417	0.427	1.41
29)	C	2,4-Dichloroph...	0.320	0.332	0.338	0.335	0.332	0.335	0.333	0.332	1.75
30)		1,2,4-Trichlor...	0.378	0.360	0.362	0.357	0.353	0.361	0.358	0.361	2.23
31)		Naphthalene	1.071	1.012	0.991	0.970	0.948	0.947	0.937	0.982	4.83
32)		Benzoic acid		0.160	0.176	0.200	0.214	0.203	0.210	0.194	10.79
33)		4-Chloroaniline	0.458	0.476	0.464	0.468	0.454	0.459	0.451	0.462	1.86
34)	C	Hexachlorobuta...	0.217	0.208	0.215	0.217	0.212	0.214	0.216	0.214	1.44
35)		Caprolactam	0.109	0.135	0.137	0.138	0.136	0.138	0.139	0.133	8.19
36)	C	4-Chloro-3-met...	0.376	0.380	0.378	0.379	0.372	0.368	0.369	0.375	1.31
37)		2-Methylnaphth...	0.751	0.725	0.729	0.724	0.696	0.699	0.688	0.716	3.13

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38)		1-Methylnaphth...	0.738	0.722	0.703	0.689	0.675	0.676	0.664	0.695	3.91
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.660	0.640	0.649	0.648	0.633	0.642	0.643	0.645	1.28
41)	P	Hexachlorocycl...		0.255	0.304	0.319	0.316	0.323	0.332	0.308	8.91
42)	S	2,4,6-Tribromo...	0.177	0.214	0.225	0.231	0.223	0.229	0.228	0.218	8.62
43)	C	2,4,6-Trichlor...	0.372	0.424	0.440	0.449	0.442	0.447	0.444	0.431	6.36
44)		2,4,5-Trichlor...	0.440	0.460	0.475	0.488	0.467	0.482	0.473	0.469	3.36
45)	S	2-Fluorobiphenyl	1.476	1.399	1.378	1.316	1.260	1.249	1.205	1.326	7.25
46)		1,1'-Biphenyl	1.780	1.696	1.706	1.651	1.595	1.600	1.568	1.656	4.55
47)		2-Chloronaphth...	1.351	1.269	1.267	1.253	1.206	1.221	1.204	1.253	4.08
48)		2-Nitroaniline	0.339	0.366	0.380	0.390	0.385	0.400	0.400	0.380	5.68
49)		Acenaphthylene	1.905	1.962	1.967	1.909	1.820	1.839	1.794	1.885	3.64
50)		Dimethylphthalate	1.610	1.575	1.606	1.565	1.506	1.500	1.468	1.547	3.61
51)		2,6-Dinitrotol...	0.300	0.341	0.350	0.356	0.344	0.353	0.352	0.342	5.68
52)	C	Acenaphthene	1.209	1.191	1.215	1.153	1.112	1.129	1.117	1.161	3.76
53)		3-Nitroaniline	0.330	0.362	0.405	0.399	0.386	0.387	0.390	0.380	6.84
54)	P	2,4-Dinitrophenol		0.032	0.075	0.099	0.110	0.129	0.152	0.100	42.19
55)		Dibenzofuran	2.154	2.021	1.992	1.907	1.817	1.815	1.760	1.923	7.28
56)	P	4-Nitrophenol		0.218	0.287	0.294	0.288	0.296	0.304	0.281	11.31
57)		2,4-Dinitrotol...	0.350	0.410	0.474	0.478	0.471	0.482	0.480	0.449	11.20
58)		Fluorene	1.581	1.526	1.484	1.431	1.368	1.360	1.332	1.440	6.50
59)		2,3,4,6-Tetrac...	0.353	0.398	0.419	0.411	0.408	0.412	0.412	0.402	5.56
60)		Diethylphthalate	1.667	1.626	1.652	1.602	1.541	1.533	1.499	1.588	4.06
61)		4-Chlorophenyl...	0.903	0.864	0.856	0.842	0.807	0.806	0.799	0.840	4.53
62)		4-Nitroaniline	0.313	0.367	0.398	0.397	0.389	0.384	0.395	0.378	8.07
63)		Azobenzene	1.644	1.607	1.557	1.503	1.446	1.434	1.417	1.516	5.89
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.054	0.081	0.094	0.099	0.110	0.118	0.093	24.64
66)	c	n-Nitrosodiphe...	0.624	0.619	0.608	0.603	0.591	0.588	0.579	0.602	2.74
67)		4-Bromophenyl-...	0.227	0.218	0.215	0.219	0.219	0.221	0.219	0.220	1.56
68)		Hexachlorobenzene	0.239	0.230	0.228	0.227	0.223	0.223	0.224	0.228	2.49
69)		Atrazine	0.209	0.225	0.225	0.223	0.218	0.216	0.207	0.218	3.40
70)	C	Pentachlorophenol		0.117	0.147	0.157	0.161	0.165	0.168	0.152	12.51
71)		Phenanthrene	1.113	1.080	1.044	1.002	0.971	0.971	0.934	1.016	6.39
72)		Anthracene	1.055	1.070	1.024	0.990	0.963	0.956	0.925	0.998	5.42
73)		Carbazole	1.021	1.056	1.036	1.003	0.971	0.968	0.929	0.998	4.45
74)		Di-n-butylphth...	1.091	1.168	1.175	1.131	1.091	1.080	1.033	1.110	4.61
75)	C	Fluoranthene	1.215	1.235	1.207	1.150	1.111	1.094	1.058	1.153	5.90
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.615	0.692	0.744	0.704	0.695	0.662	0.649	0.680	6.14
78)		Pyrene	1.349	1.368	1.372	1.313	1.278	1.260	1.211	1.307	4.63
79)	S	Terphenyl-d14	1.051	1.031	0.995	0.937	0.888	0.855	0.795	0.936	10.17
80)		Butylbenzylpht...	0.454	0.513	0.557	0.560	0.550	0.557	0.554	0.535	7.30
81)		Benzo(a)anthra...	1.223	1.217	1.205	1.189	1.166	1.150	1.130	1.183	2.98
82)		3,3'-Dichlorob...	0.416	0.456	0.477	0.477	0.466	0.468	0.449	0.459	4.68

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83)		Chrysene	1.202	1.168	1.167	1.141	1.109	1.109	1.066	1.138	4.05
84)		Bis(2-ethylhex...	0.656	0.718	0.775	0.787	0.770	0.779	0.766	0.750	6.30
85)	c	Di-n-octyl pht...	1.028	1.163	1.260	1.284	1.289	1.279	1.259	1.223	7.88
86)		Indeno(1,2,3-c...	1.076	1.175	1.214	1.254	1.251	1.276	1.294	1.220	6.13
87)	I	Perylene-d12	----------ISTD----------								
88)		Benzo(b)fluora...	1.109	1.093	1.129	1.107	1.083	1.094	1.059	1.096	2.02
89)		Benzo(k)fluora...	1.098	1.087	1.092	1.085	1.054	1.050	1.054	1.074	1.93
90)	C	Benzo(a)pyrene	1.011	1.038	1.064	1.057	1.036	1.052	1.034	1.042	1.69
91)		Dibenzo(a,h)an...	0.921	0.919	0.970	0.990	0.968	0.978	0.982	0.961	3.02
92)		Benzo(g,h,i)pe...	0.943	0.935	0.988	0.983	0.974	0.989	0.994	0.972	2.43

(#) = Out of Range