Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\
Method File : 8270-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jan 30 16:05:09 2020
Response Via : Initial Calibration

Calibration Files
10 =BG044243.D 20 =BG044244.D 40 =BG044245.D
50 =BG044246.D 60 =BG044247.D 80 =BG044248.D

		Compound	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.566	0.535	0.527	0.517	0.492	0.470	0.509	7.54
3)		Pyridine	1.544	1.547	1.527	1.321	1.249	1.166	1.357	13.33
4)		n-Nitrosodimethyl	0.610	0.592	0.575	0.577	0.553	0.546	0.567	5.59
5)	S	2-Fluorophenol	1.237	1.235	1.172	1.149	1.101	1.063	1.133	8.35
6)		Aniline	2.015	1.990	1.975	1.907	1.848	1.822	1.889	6.47
7)	S	Phenol-d6	1.659	1.645	1.576	1.551	1.476	1.435	1.522	8.14
8)		2-Chlorophenol	1.367	1.340	1.297	1.252	1.209	1.170	1.245	7.99
9)		Benzaldehyde	0.994	0.966	0.852	0.797	0.725		0.867	13.07
10)	C	Phenol	1.619	1.610	1.566	1.535	1.473	1.416	1.506	7.23
11)		bis(2-Chloroethyl	1.423	1.381	1.328	1.298	1.240	1.222	1.288	7.96
12)		1,3-Dichlorobenze	1.656	1.613	1.516	1.502	1.446	1.389	1.487	8.53
13)	C	1,4-Dichlorobenze	1.635	1.593	1.520	1.479	1.416	1.382	1.473	8.33
14)		1,2-Dichlorobenze	1.545	1.519	1.442	1.402	1.337	1.303	1.392	8.84
15)		Benzyl Alcohol	1.077	1.107	1.128	1.108	1.073	1.071	1.077	4.49
16)		2,2'-oxybis(1-Chl	1.894	1.827	1.807	1.764	1.688	1.671	1.743	6.64
17)		2-Methylphenol	1.142	1.126	1.112	1.101	1.053	1.029	1.075	6.05
18)		Hexachloroethane	0.602	0.594	0.562	0.558	0.538	0.523	0.553	7.00
19)	P	n-Nitroso-di-n-pr	1.092	1.077	1.053	1.030	0.983	0.975	1.014	6.96
20)		3+4-Methylphenols	1.544	1.543	1.555	1.508	1.463	1.435	1.481	5.72
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.521	0.513	0.486	0.500	0.480	0.460	0.487	5.66
23)	S	Nitrobenzene-d5	0.371	0.372	0.355	0.364	0.352	0.338	0.354	4.73
24)		Nitrobenzene	0.362	0.358	0.342	0.358	0.344	0.332	0.346	4.16
25)		Isophorone	0.685	0.679	0.658	0.673	0.657	0.640	0.660	3.10
26)	C	2-Nitrophenol	0.161	0.173	0.182	0.190	0.189	0.183	0.179	5.49
27)		2,4-Dimethylpheno	0.256	0.253	0.255	0.262	0.256	0.248	0.253	2.42
28)		bis(2-Chloroethox	0.465	0.457	0.443	0.452	0.436	0.419	0.440	4.49
29)	C	2,4-Dichloropheno	0.303	0.309	0.307	0.316	0.311	0.302	0.306	2.12
30)		1,2,4-Trichlorobe	0.370	0.360	0.349	0.360	0.353	0.335	0.351	3.98
31)		Naphthalene	1.073	1.026	0.967	0.989	0.949	0.910	0.970	6.91
32)		Benzoic acid	0.020	0.050	0.133	0.161	0.178	0.194	0.135	54.10
33)		4-Chloroaniline	0.452	0.450	0.439	0.451	0.440	0.431	0.441	2.32
34)	C	Hexachlorobutadie	0.229	0.219	0.217	0.222	0.218	0.206	0.216	4.19
35)		Caprolactam	0.106	0.107	0.111	0.116	0.111	0.116	0.112	3.96
36)	C	4-Chloro-3-methyl	0.329	0.320	0.317	0.330	0.321	0.315	0.321	1.94
37)		2-Methylnaphthale	0.785	0.759	0.716	0.733	0.708	0.681	0.720	5.94
38)		1-Methylnaphthale	0.740	0.709	0.678	0.688	0.669	0.645	0.679	5.66
39)	I	Acenaphthene-d10	----------	ISTD	----------					
40)		1,2,4,5-Tetrachlo	0.635	0.628	0.603	0.611	0.598	0.565	0.598	5.32
41)	P	Hexachlorocyclope	0.240	0.263	0.298	0.310	0.313	0.294	0.287	9.23
42)	S	2,4,6-Tribromophe	0.226	0.233	0.231	0.244	0.239	0.238	0.235	2.54
43)	C	2,4,6-Trichloroph	0.373	0.384	0.391	0.401	0.398	0.383	0.387	2.71
44)		2,4,5-Trichloroph	0.366	0.382	0.400	0.417	0.411	0.397	0.395	4.38
45)	S	2-Fluorobiphenyl	1.424	1.356	1.207	1.204	1.143	1.051	1.194	13.28
46)		1,1'-Biphenyl	1.627	1.548	1.442	1.478	1.414	1.328	1.443	8.64
47)		2-Chloronaphthale	1.268	1.230	1.139	1.170	1.131	1.075	1.148	7.35
48)		2-Nitroaniline	0.324	0.343	0.335	0.354	0.340	0.341	0.339	2.70
49)		Acenaphthylene	1.880	1.817	1.683	1.718	1.649	1.559	1.684	8.23
50)		Dimethylphthalate	1.618	1.531	1.424	1.463	1.392	1.350	1.438	7.78
51)		2,6-Dinitrotoluen	0.337	0.325	0.314	0.327	0.319	0.315	0.321	2.96

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		Compound	10	20	40	50	60	80	Avg	%RSD
52)	C	Acenaphthene	1.182	1.162	1.078	1.116	1.072	1.037	1.091	6.18
53)		3-Nitroaniline	0.344	0.360	0.351	0.370	0.358	0.352	0.355	2.40
54)	P	2,4-Dinitrophenol	0.084	0.120	0.164	0.179	0.182	0.190	0.159	26.13
55)		Dibenzofuran	1.904	1.799	1.645	1.671	1.593	1.523	1.652	9.69
56)	P	4-Nitrophenol	0.205	0.245	0.262	0.280	0.270	0.279	0.260	10.53
57)		2,4-Dinitrotoluen	0.447	0.456	0.439	0.466	0.447	0.449	0.449	2.02
58)		Fluorene	1.479	1.411	1.286	1.319	1.259	1.208	1.301	8.77
59)		2,3,4,6-Tetrachlo	0.350	0.341	0.355	0.370	0.364	0.364	0.357	2.75
60)		Diethylphthalate	1.589	1.531	1.411	1.463	1.382	1.354	1.433	7.13
61)		4-Chlorophenyl-ph	0.770	0.745	0.699	0.716	0.692	0.672	0.706	5.98
62)		4-Nitroaniline	0.351	0.359	0.343	0.365	0.353	0.356	0.354	1.96
63)		Azobenzene	1.381	1.337	1.243	1.276	1.224	1.187	1.256	6.67
64)	I	Phenanthrene-d10	----------ISTD----------							
65)		4,6-Dinitro-2-met	0.088	0.103	0.113	0.118	0.118	0.116	0.110	9.99
66)	c	n-Nitrosodiphenyl	0.608	0.599	0.567	0.573	0.557	0.524	0.560	7.05
67)		4-Bromophenyl-phe	0.225	0.224	0.220	0.224	0.220	0.210	0.218	3.94
68)		Hexachlorobenzene	0.262	0.250	0.245	0.251	0.244	0.231	0.244	5.08
69)		Atrazine	0.210	0.213	0.198	0.201	0.190	0.172	0.192	10.01
70)	C	Pentachlorophenol	0.076	0.100	0.121	0.125	0.127	0.120	0.113	16.77
71)		Phenanthrene	1.109	1.076	0.976	0.986	0.940	0.872	0.968	10.67
72)		Anthracene	1.085	1.064	0.963	0.983	0.929	0.869	0.957	10.38
73)		Carbazole	0.970	0.980	0.892	0.909	0.857	0.805	0.883	9.00
74)		Di-n-butylphthala	1.220	1.228	1.125	1.134	1.054	0.970	1.091	11.20
75)	C	Fluoranthene	1.282	1.260	1.141	1.148	1.073	1.004	1.120	11.37
76)	I	Chrysene-d12	----------ISTD----------							
77)		Benzidine	0.533	0.617	0.630	0.599	0.560	0.463	0.555	11.78
78)		Pyrene	1.520	1.419	1.309	1.305	1.247	1.146	1.284	12.43
79)	S	Terphenyl-d14	1.148	1.063	0.922	0.900	0.828		0.972	13.39
80)		Butylbenzylphthal	0.603	0.604	0.601	0.617	0.590	0.556	0.585	5.46
81)		Benzo(a)anthracen	1.390	1.332	1.250	1.257	1.207	1.133	1.233	9.15
82)		3,3'-Dichlorobenz	0.492	0.499	0.501	0.503	0.477	0.449	0.478	6.06
83)		Chrysene	1.357	1.296	1.214	1.213	1.163	1.084	1.191	9.91
84)		Bis(2-ethylhexyl)	0.894	0.886	0.825	0.828	0.786	0.735	0.806	9.45
85)	c	Di-n-octyl phthal	1.509	1.494	1.436	1.453	1.362	1.304	1.394	8.05
86)		Indeno(1,2,3-cd)p	1.573	1.591	1.547	1.595	1.527	1.538	1.554	2.11
87)	I	Perylene-d12	----------ISTD----------							
88)		Benzo(b)fluoranth	1.219	1.228	1.155	1.190	1.161	1.076	1.152	6.20
89)		Benzo(k)fluoranth	1.245	1.212	1.145	1.141	1.100	1.052	1.123	8.41
90)	C	Benzo(a)pyrene	1.138	1.150	1.103	1.127	1.090	1.035	1.090	5.47
91)		Dibenzo(a,h)anthr	1.107	1.135	1.076	1.110	1.074	1.037	1.078	4.05
92)		Benzo(g,h,i)peryl	1.110	1.124	1.076	1.113	1.072	1.040	1.080	3.58

(#) = Out of Range ### Number of calibration levels exceeded format ###