

Quality Control Statistical Summary

Onshore Grab Sample: WL-22-BB

Sample Taken By: D. Phelps
 Sample Taken On: 02/15/11
 County: Walton

Latitude: 30° 17' 31.1" N
 Longitude: 86° 3' 23.1" W
 Datum: WGS 84

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	1.7989	phi	(0.2874 mm)	1.8120	phi	(0.2848 mm)
Standard Dev:	0.5302	phi-units	(0.6924 mm)	0.5448	phi-units	(0.6855 mm)
Skewness:	-0.1651	dimensionless		-0.2957	dimensionless	
Kurtosis:	4.8568	dimensionless		5.1662	dimensionless	
5th Moment:	-4.0597	dimensionless		-6.7389	dimensionless	
6th Moment:	48.9215	dimensionless		57.0116	dimensionless	
RARD*:	0.2948	dimensionless		0.3007	dimensionless	
Median:	1.6721	phi	(0.3138 mm)	1.6861	phi	(0.3108 mm)

Statistical Results: CaCO3	
Not Enough Carbonate Material to do Post-Digestion Analysis	

Statistical Results: Post-CaCO3	
Not Enough Carbonate Material to do Post-Digestion Analysis	

Additional Data	
Total Fines	
Original:	0.16 %
Duplicate:	0.13 %
Total Carbonates	
Original:	-0.31 %
Duplicate:	0.12 %

Statistical Explanation	
Calculations based on the Method of Moments	
Skewness: 3rd Stand. Moment; Exact Gaussian = 0.0	
Kurtosis: 4th Stand. Moment; Exact Gaussian = 3.0	
Millimeter data calculated by $mm = 2^{(-\phi)}$	
* Reciprocal Absolute Relative Dispersion (RARD) Scale	
< 0.5	Excellent homogeneity (e.g., beaches)
0.5 to 1.0	Good homogeneity
1.0 to 1.33	Fair homogeneity
> 1.33	Poor homogeneity (e.g., glacial)

Pre-Digestion Grain Size Distribution

Onshore Grab Sample: WL-22-BB

Total Duplicate Sample Mass: 45.396 grams

Total Original Sample Mass: 48.590 grams

Sieve Size (phi)	Sieve Midpt (phi)	Weight of Dupl (grams)	Freq Weight %	Cumulative Weight %	Weight of Original (grams)	Freq Weight %	Cumulative Weight %
-2.25	-2.375	0.000	0.000	0.000	0.000	0.000	0.000
-2.00	-2.125	0.000	0.000	0.000	0.000	0.000	0.000
-1.75	-1.875	0.000	0.000	0.000	0.000	0.000	0.000
-1.50	-1.625	0.000	0.000	0.000	0.000	0.000	0.000
-1.25	-1.375	0.000	0.000	0.000	0.000	0.000	0.000
-1.00	-1.125	0.000	0.000	0.000	0.000	0.000	0.000
-0.75	-0.875	0.000	0.000	0.000	0.032	0.066	0.066
-0.50	-0.625	0.062	0.137	0.137	0.088	0.181	0.247
-0.25	-0.375	0.055	0.121	0.258	0.054	0.111	0.358
0.00	-0.125	0.103	0.227	0.485	0.131	0.270	0.628
0.25	0.125	0.171	0.377	0.861	0.202	0.416	1.043
0.50	0.375	0.350	0.771	1.632	0.365	0.751	1.795
0.75	0.625	0.482	1.062	2.694	0.540	1.111	2.906
1.00	0.875	1.349	2.972	5.666	1.471	3.027	5.933
1.25	1.125	2.053	4.522	10.188	2.119	4.361	10.294
1.50	1.375	6.229	13.721	23.910	5.857	12.054	22.348
1.75	1.625	9.706	21.381	45.290	10.449	21.504	43.853
2.00	1.875	11.355	25.013	70.304	12.231	25.172	69.024
2.25	2.125	6.243	13.752	84.056	6.806	14.007	83.031
2.50	2.375	3.499	7.708	91.764	3.889	8.004	91.035
2.75	2.625	1.740	3.833	95.597	2.062	4.244	95.279
3.00	2.875	1.299	2.861	98.458	1.493	3.073	98.352
3.25	3.125	0.426	0.938	99.396	0.471	0.969	99.321
3.50	3.375	0.204	0.449	99.846	0.235	0.484	99.804
3.75	3.625	0.056	0.123	99.969	0.070	0.144	99.949
4.00	3.875	0.000	0.000	99.969	0.012	0.025	99.973
5.00	4.500	0.014	0.031	100.000	0.013	0.027	100.000



