

Quality Control Statistical Summary

Onshore Grab Sample: LV-05

Sample Taken By: D. Phelps
 Sample Taken On: 02/21/11
 County: Levy

Latitude: 29° 6' 4.1" N
 Longitude: 83° 3' 39.6" W
 Datum: WGS 84

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	1.7691	phi	(0.2934 mm)	1.8220	phi	(0.2828 mm)
Standard Dev:	0.4356	phi-units	(0.7394 mm)	0.4357	phi-units	(0.7393 mm)
Skewness:	-0.1305	dimensionless		-0.1326	dimensionless	
Kurtosis:	3.0760	dimensionless		3.0759	dimensionless	
5th Moment:	-0.7280	dimensionless		-0.5600	dimensionless	
6th Moment:	19.5349	dimensionless		19.8175	dimensionless	
RARD*:	0.2462	dimensionless		0.2391	dimensionless	
Median:	1.6583	phi	(0.3168 mm)	1.7107	phi	(0.3055 mm)

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

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Additional Data	
Total Fines	
Original:	0.01 %
Duplicate:	0.01 %
Total Carbonates	
Original:	0.15 %
Duplicate:	0.22 %

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: LV-05

Total Duplicate Sample Mass: 50.488 grams

Total Original Sample Mass: 54.547 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	0.000	0.000	0.000
-0.50	-0.625	0.000	0.000	0.000	0.000	0.000	0.000
-0.25	-0.375	0.000	0.000	0.000	0.000	0.000	0.000
0.00	-0.125	0.000	0.000	0.000	0.000	0.000	0.000
0.25	0.125	0.034	0.067	0.067	0.019	0.035	0.035
0.50	0.375	0.109	0.216	0.283	0.083	0.152	0.187
0.75	0.625	0.326	0.646	0.929	0.280	0.513	0.700
1.00	0.875	1.684	3.335	4.264	1.451	2.660	3.360
1.25	1.125	3.280	6.497	10.761	3.001	5.502	8.862
1.50	1.375	7.869	15.586	26.347	7.551	13.843	22.705
1.75	1.625	10.347	20.494	46.841	10.364	19.000	41.705
2.00	1.875	11.970	23.709	70.549	13.201	24.201	65.906
2.25	2.125	8.100	16.043	86.593	9.686	17.757	83.664
2.50	2.375	5.033	9.969	96.562	6.336	11.616	95.279
2.75	2.625	1.417	2.807	99.368	2.061	3.778	99.058
3.00	2.875	0.252	0.499	99.867	0.425	0.779	99.837
3.25	3.125	0.043	0.085	99.952	0.057	0.104	99.941
3.50	3.375	0.016	0.032	99.984	0.021	0.038	99.980
3.75	3.625	0.005	0.010	99.994	0.003	0.005	99.985
4.00	3.875	0.000	0.000	99.994	0.004	0.007	99.993
5.00	4.500	0.003	0.006	100.000	0.004	0.007	100.000



