

Quality Control Statistical Summary

Onshore Grab Sample: PS-04-BB

Sample Taken By: D. Phelps

Latitude: 28° 12' 41.6" N

Sample Taken On: 03/02/11

Longitude: 82° 51' 6.3" W

County: Pasco

Datum: WGS 84

Statistical Results: Pre-CaCO3						
	Duplicate			Original		
Mean:	2.5948	phi	(0.1655 mm)	2.5292	phi	(0.1732 mm)
Standard Dev:	0.2798	phi-units	(0.8237 mm)	0.3514	phi-units	(0.7838 mm)
Skewness:	-0.5697	dimensionless		-2.3210	dimensionless	
Kurtosis:	5.8551	dimensionless		19.4013	dimensionless	
5th Moment:	-18.2864	dimensionless		#####	dimensionless	
6th Moment:	158.2643	dimensionless		#####	dimensionless	
RARD*:	0.1078	dimensionless		0.1389	dimensionless	
Median:	2.4856	phi	(0.1785 mm)	2.4339	phi	(0.1851 mm)

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

Statistical Results: Post-CaCO3	
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Additional Data	
Total Fines	
Original:	0.07 %
Duplicate:	0.18 %
Total Carbonates	
Original:	0.18 %
Duplicate:	0.83 %

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: PS-04-BB

Total Duplicate Sample Mass: 43.058 grams

Total Original Sample Mass: 51.852 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	0.092	0.177	0.177
-0.25	-0.375	0.000	0.000	0.000	0.008	0.015	0.193
0.00	-0.125	0.000	0.000	0.000	0.010	0.019	0.212
0.25	0.125	0.000	0.000	0.000	0.027	0.052	0.264
0.50	0.375	0.013	0.030	0.030	0.044	0.085	0.349
0.75	0.625	0.009	0.021	0.051	0.066	0.127	0.476
1.00	0.875	0.013	0.030	0.081	0.049	0.094	0.571
1.25	1.125	0.010	0.023	0.105	0.042	0.081	0.652
1.50	1.375	0.037	0.086	0.190	0.237	0.457	1.109
1.75	1.625	0.096	0.223	0.413	0.190	0.366	1.475
2.00	1.875	0.681	1.582	1.995	1.323	2.551	4.027
2.25	2.125	3.155	7.327	9.322	5.282	10.187	14.214
2.50	2.375	10.297	23.914	33.237	14.286	27.551	41.765
2.75	2.625	16.315	37.891	71.127	18.134	34.973	76.738
3.00	2.875	10.889	25.289	96.416	10.522	20.292	97.030
3.25	3.125	1.230	2.857	99.273	1.192	2.299	99.329
3.50	3.375	0.258	0.599	99.872	0.252	0.486	99.815
3.75	3.625	0.051	0.118	99.991	0.076	0.147	99.961
4.00	3.875	0.000	0.000	99.991	0.014	0.027	99.988
5.00	4.500	0.004	0.009	100.000	0.006	0.012	100.000



