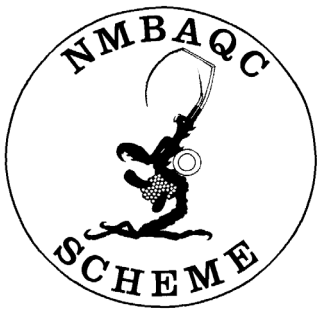

The National Marine Biological Analytical Quality Control Scheme
www.nmbaqcs.org

Particle Size Results – PS33

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Table 1. Summary of the particle size information received from participating laboratories and replicate analysis laboratories for the thirty-third particle size distribution - PS33.

Replicate Sample Data

Sample	Method	% < 63 micron	Median (phi)	Mean (phi)	Sort	IGS (SKi)
PS33_42	L^1	0.00	1.651	1.648	0.571	-0.056
PS33_43	L^1	0.00	1.633	1.631	0.572	-0.050
PS33_44	L^1	0.00	1.642	1.638	0.575	-0.058
PS33_45	L^1	0.00	1.630	1.627	0.577	-0.056
PS33_46	L^1	0.00	1.644	1.641	0.573	-0.056
PS33_47	L^1	0.00	1.631	1.628	0.575	-0.054
PS33_48	L^1	0.00	1.627	1.624	0.578	-0.057
PS33_35	L^2	0.5	1.720	1.686	0.690	-0.252
PS33_36	L^2	0.4	1.557	1.390	0.857	-0.371
PS33_37	L^2	0.0	1.761	1.762	0.450	-0.006
PS33_38	L^2	0.4	1.751	1.730	0.551	-0.138
PS33_39	L^2	0.0	1.823	1.848	0.422	0.022
PS33_40	L^2	0.7	1.833	1.824	0.525	-0.101
PS33_41	L^2	0.9	1.837	1.871	0.427	0.030
UM	**Overall Average**	**0.21**	**1.696**	**1.682**	**0.567**	**-0.086**
UM	**L^1RepAv**	**0.00**	**1.637**	**1.634**	**0.574**	**-0.055**
UM	**L^2RepAv**	**0.41**	**1.755**	**1.730**	**0.560**	**-0.117**

Participant Data

Lab	Method	%<63µm	Median	Mean	Sort	IGS (SKi)
LB1501	WS/DS/L	0.14	2.04	1.94	0.52	-0.40
LB1502	-	-	-	-	-	-
LB1503	L	0.00	1.66	1.66	0.48	-0.01
LB1504	S/L	3.5	1.29	1.31	0.53	0.14
LB1505	L	0.00	1.69	1.71	0.51	0.04
LB1506*	L	0.00	1.64	1.64	0.56	-0.04
LB1507	L	0.00	1.64	1.64	0.56	-0.04
LB1508	WS/DS/L	0.72	2.02	1.91	0.55	-0.42
LB1509	DS	0.06	1.747	1.734	0.448	-0.166
LB1510	DS/WS/L	0.00	1.62	1.62	0.575	-0.057
LB1511	L	0.00	1.65	1.65	0.56	-0.04
LB1526	L	0.00	1.70	1.62	0.46	0.01
LB1527	L	0.00	1.87	1.87	0.36	-0.01

Key to methods:

L - Laser analysis DS - Dry sieve CC - Coulter counter
S - Sieve WS - Wet sieve FD - Freeze dried
P - Pipette

L^1 - Replicate analysis by Malvern Laser (MS-2000)

L^2 - Replicate analysis by Malvern Laser (MS-X, long bed)

L* - data for this laboratory not included in calculations (replicate data).

"-" - No data. See forthcoming Annual Report, Section 6, for details.

Shaded cells - maximum and minimum values for each derived statistic.

Table 2. Z-score results for the derived statistics supplied by participating laboratories for the particle size exercise - PS33.

PS33																	
LabCode	**%<63µm**	**z-score**	**Flag**	**Median**	**z-score**	**Flag**	**Mean**	**z-score**	**Flag**	**Sort**	**z-score**	**Flag**	**IGS (SKi)**	**z-score**	**Flag**	**Description: pre/post analysis**
Laser[1]RepAv	0.00	-0.52	PASS	1.64	-0.74	PASS	1.63	-0.73	PASS	0.57	1.18	PASS	-0.055	0.18	PASS	Sand / Sand
Laser[2]RepAv	0.41	1.25	PASS	1.75	0.23	PASS	1.73	0.23	PASS	0.56	0.85	PASS	-0.117	-0.33	PASS	Sand / Sand
LB1501	0.14	0.08	PASS	2.04	2.59	**Fail**	1.94	2.34	**Fail**	0.52	-0.07	PASS	-0.400	-2.66	**Fail**	Slightly shelly, very slightly muddy, sand / Sand
LB1502	-	-	Deemed Fail	-	-	Deemed Fail	-	-	Deemed Fail	-	-	Deemed Fail	-	-	Deemed Fail	- / -
LB1503	0.00	-0.52	PASS	1.66	-0.55	PASS	1.66	-0.47	PASS	0.48	-0.98	PASS	-0.010	0.55	PASS	Sand / S
LB1504	3.5	14.39	**Fail**	1.29	-3.60	**Fail**	1.31	-3.98	**Fail**	0.53	0.16	PASS	0.14	1.78	PASS	Sand / Sand
LB1505	0.00	-0.52	PASS	1.69	-0.30	PASS	1.71	0.03	PASS	0.51	-0.30	PASS	0.040	0.96	PASS	Sand / Sand
LB1506*	0.00	-0.52	PASS	1.64	-0.71	PASS	1.64	-0.67	PASS	0.56	0.85	PASS	-0.04	0.30	PASS	Sand / Sand
LB1507	0.00	-0.52	PASS	1.64	-0.71	PASS	1.64	-0.67	PASS	0.56	0.85	PASS	-0.040	0.30	PASS	Sand / Sand
LB1508	0.72	2.55	**Fail**	2.02	2.42	**Fail**	1.91	2.03	**Fail**	0.55	0.62	PASS	-0.42	-2.82	**Fail**	sand / sand
LB1509	0.06	-0.25	PASS	1.75	0.17	PASS	1.73	0.27	PASS	0.45	-1.71	PASS	-0.166	-0.73	PASS	Sand / Sand
LB1510	0.00	-0.52	PASS	1.62	-0.88	PASS	1.62	-0.87	PASS	0.575	1.19	PASS	-0.057	0.16	PASS	Sand / Sand
LB1511	0.00	-0.52	PASS	1.65	-0.63	PASS	1.65	-0.57	PASS	0.56	0.85	PASS	-0.040	0.30	PASS	Medium sands / Sand
LB1526	0.00	-0.52	PASS	1.70	-0.22	PASS	1.62	-0.87	PASS	0.46	-1.44	PASS	0.010	0.71	PASS	Medium Sand / Medium Sand
LB1527	0.00	-0.52	PASS	1.87	1.19	PASS	1.87	1.63	PASS	0.36	-3.72	**Fail**	-0.010	0.55	PASS	Medium sand / Well sorted medium sand

"-" no return and/or data from laboratory. See text, Section 6 in the forthcoming Annual Report, for details.
"*" = centralised analysis

Laser[1]RepAv - Average of replicate analysis by Malvern Laser (Mastersizer2000

Laser[2]RepAv - Average of replicate analysis by Malvern Laser (MastersizerX, long bed

Figure 1. Particle size distribution curves resulting from analysis of fourteen replicate samples of sediment distributed as PS33. Seven samples analysed by Malvern Mastersizer 2000 and seven by Malvern Mastersizer X.

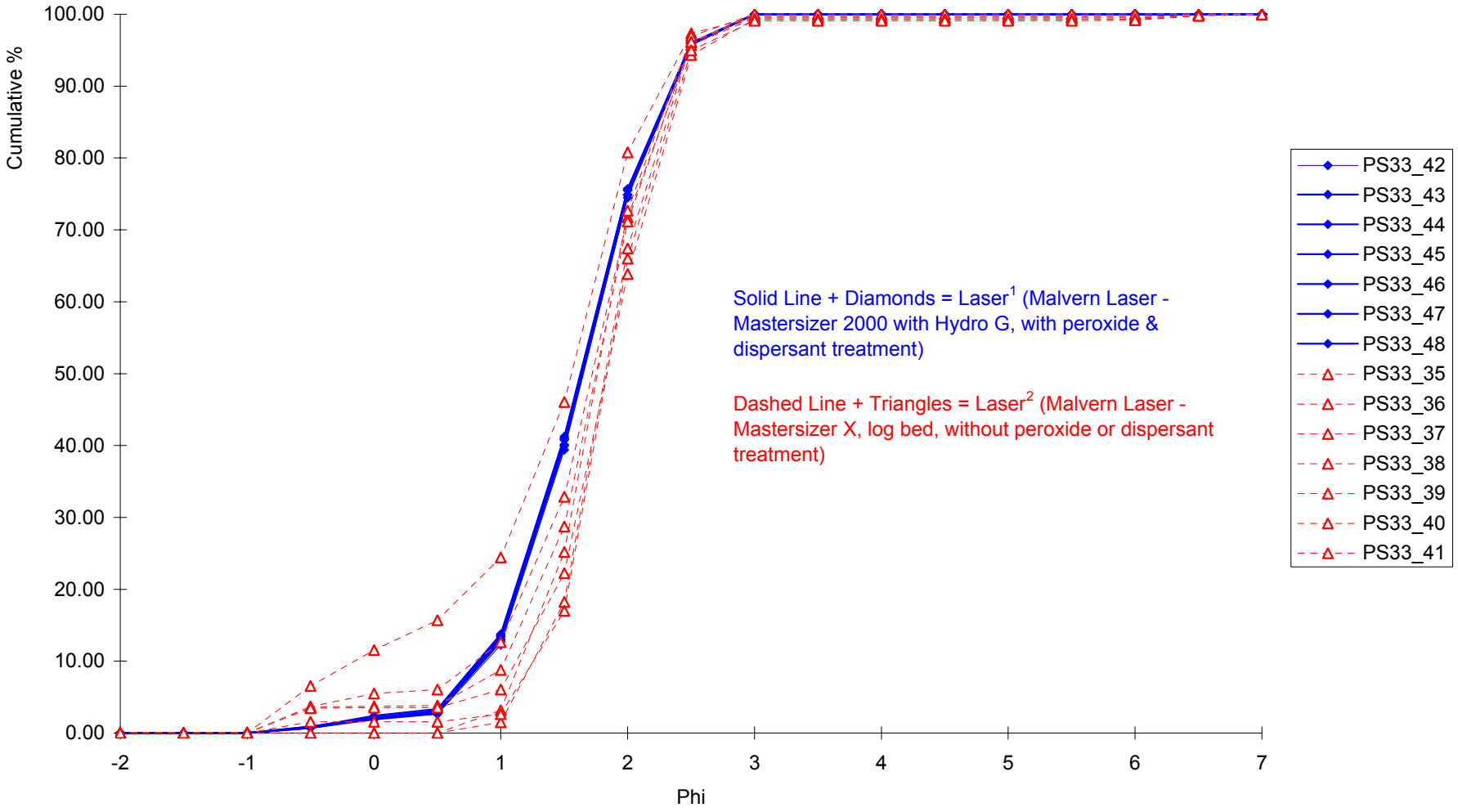


Figure 2. Particle size distribution curves from participating laboratories for sediment samples from PS33 (replicated data excluded).

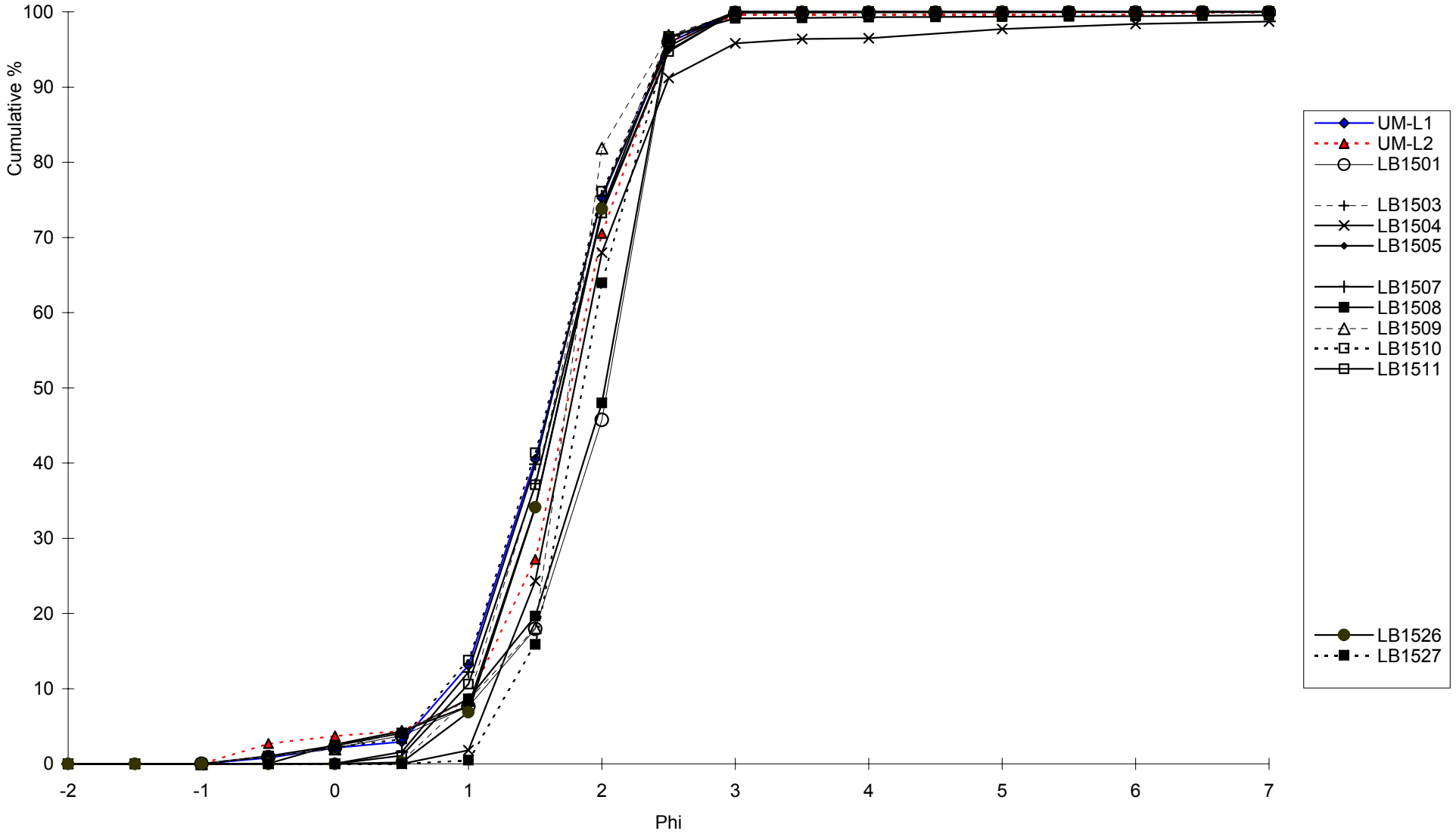
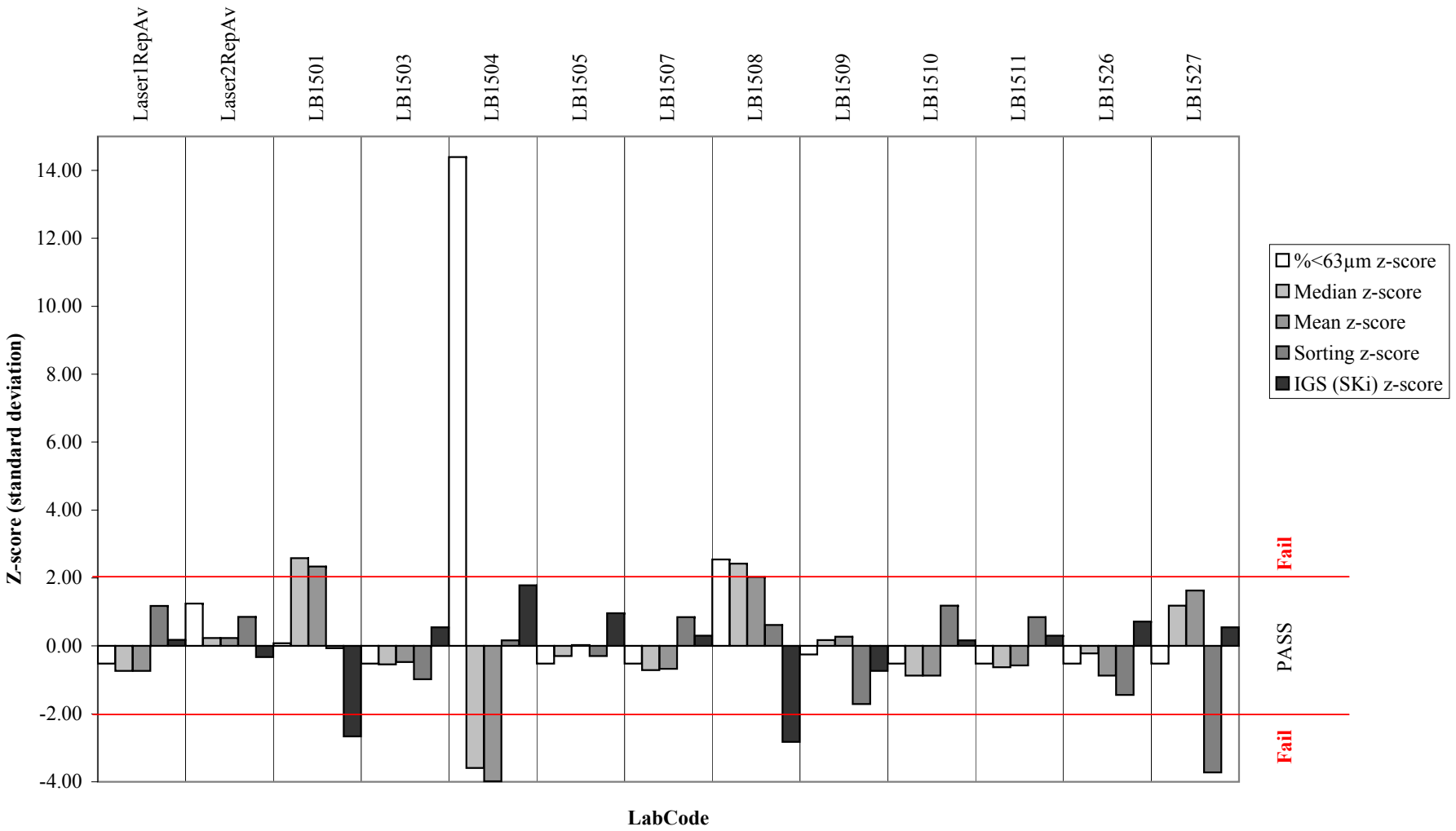


Figure 3. Z-scores for PS33 derived statistics (replicated data not displayed).



Appendices

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1501**
Sample Code:	**PS331501**
Method used:	*Wet sieve at 63um. Dry sieve >63um. Laser size a subsample of the wet <63um sediment.*
Equipment used:	*Malvern Mastersizer 2000*
Peroxide treatment used:	**no**
Chemical dispersant used:	**no**
% less than 63 micron:	*0.14*
Median particle diameter (phi):	*2.04*
Mean particle diameter (phi):	*1.94*
Sorting Coefficient:	*0.52*
Inclusive Graphic Skewness (SKi):	*-0.40*
Sediment Description Pre-analysis (e.g. sandy mud):	*Slightly shelly, very slightly muddy, sand.*
Sediment Description Post-analysis (Folk Triangle)†:	*Sand*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-1.50 to -1.00	*0.00*
-1.00 to -0.50	*0.87*
-0.50 to 0.00	*1.25*
0.00 to 0.50	*1.62*
0.50 to 1.00	*3.85*
1.00 to 1.50	*10.34*
1.50 to 2.00	*27.80*
2.00 to 2.50	*50.23*
2.50 to 3.00	*3.80*
3.00 to 3.50	*0.08*
3.50 to 4.00	*0.02*
4.00 to 4.50	*0.01*
4.50 to 5.00	*0.01*
5.00 to 5.50	*0.01*
5.50 to 6.00	*0.02*
6.00 to 6.50	*0.02*
6.50 to 7.00	*0.02*
7.00 to 7.50	*0.02*
7.50 to 8.00	*0.01*
8.00 to 8.50	*0.01*
8.50 to 9.00	*0.01*
9.00 to 9.50	*0.00*
9.50 to 10.00	*0.00*
10.00 to 10.50	*0.00*
10.50 to 11.00	*0.00*
11.00 to 11.50	*0.00*

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1503**
Sample Code:	**PS331503**
Method used:	*Laser*
Equipment used:	*Malvern 2000 (0.02 - 2000 u) Hydro G*
Peroxide treatment used:	**no**
Chemical dispersant used:	**yes -calgon added to Hydro-G**
% less than 63 micron:	*0*
Median particle diameter (phi):	*1.66*
Mean particle diameter (phi):	*1.66*
Sorting Coefficient:	*0.48*
Inclusive Graphic Skewness (SKi):	*-0.01*
Sediment Description Pre-analysis (e.g. sandy mud):	*Sand*
Sediment Description Post-analysis (Folk Triangle)†:	*S*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	
-3.00 to -2.50	
-2.50 to -2.00	
-2.00 to -1.50	
-1.50 to -1.00	
-1.00 to -0.50	
-0.50 to 0.00	
0.00 to 0.50	*0.35*
0.50 to 1.00	*8.32*
1.00 to 1.50	*28.59*
1.50 to 2.00	*38.37*
2.00 to 2.50	*21.08*
2.50 to 3.00	*3.3*
3.00 to 3.50	*0*
3.50 to 4.00	
4.00 to 4.50	
4.50 to 5.00	
5.00 to 5.50	
5.50 to 6.00	
6.00 to 6.50	
6.50 to 7.00	
7.00 to 7.50	
7.50 to 8.00	
8.00 to 8.50	
8.50 to 9.00	
9.00 to 9.50	
9.50 to 10.00	
10.00 to 10.50	
10.50 to 11.00	
11.00 to 11.50	

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1504**
Sample Code:	**PS331504**
Method used:	*in-house*
Equipment used:	*sieve and malvern laser mam5004*
Peroxide treatment used:	**yes**
Chemical dispersant used:	**no**
% less than 63 micron:	*3.5*
Median particle diameter (phi):	*1.29*
Mean particle diameter (phi):	*1.31*
Sorting Coefficient:	*0.53*
Inclusive Graphic Skewness (SKi):	*0.14*
Sediment Description Pre-analysis (e.g. sandy mud):	*sand*
Sediment Description Post-analysis (Folk Triangle)†:	*sand*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	**0**
-3.00 to -2.50	
-2.50 to -2.00	
-2.00 to -1.50	**0**
-1.50 to -1.00	**0**
-1.00 to -0.50	**0**
-0.50 to 0.00	**0**
0.00 to 0.50	**0**
0.50 to 1.00	**1.8**
1.00 to 1.50	**22.5**
1.50 to 2.00	**43.7**
2.00 to 2.50	**23.2**
2.50 to 3.00	**4.6**
3.00 to 3.50	**0.6**
3.50 to 4.00	**0.1**
4.00 to 4.50	**1.2**
4.50 to 5.00	
5.00 to 5.50	**0.7**
5.50 to 6.00	
6.00 to 6.50	**0.3**
6.50 to 7.00	
7.00 to 7.50	**0.5**
7.50 to 8.00	
8.00 to 8.50	**0.8**
8.50 to 9.00	
9.00 to 9.50	
9.50 to 10.00	
10.00 to 10.50	
10.50 to 11.00	
11.00 to 11.50	

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1505**
Sample Code:	**PS331505**
Method used:	*Combination of Laser Analysis and Dry Sieve*
Equipment used:	*Malvern Mastersizer2000 and HydroMu accessory unit*
	Endecotts sieve shaker
	(0.5, 1.0, 1.4, 2.0, 2.8, 4.0, 5.6, 8.0, and 10mm test sieves)
Peroxide treatment used:	**NO**
Chemical dispersant used:	**NO**
% less than 63 micron:	*0*
Median particle diameter (phi):	*1.69*
Mean particle diameter (phi):	*1.71*
Sorting Coefficient:	*0.51*
Inclusive Graphic Skewness (SKi):	*0.04*
Sediment Description Pre-analysis (e.g. sandy mud):	*Sand*
Sediment Description Post-analysis (Folk Triangle)†:	*Sand*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	**0**
-3.00 to -2.50	**0**
-2.50 to -2.00	**0**
-2.00 to -1.50	**0**
-1.50 to -1.00	**0**
-1.00 to -0.50	*0.02*
-0.50 to 0.00	*2.56*
0.00 to 0.50	*1.78*
0.50 to 1.00	*3.3*
1.00 to 1.50	*26.53*
1.50 to 2.00	*39.32*
2.00 to 2.50	*21.39*
2.50 to 3.00	*5.09*
3.00 to 3.50	*0.02*
3.50 to 4.00	*0*
4.00 to 4.50	*0*
4.50 to 5.00	*0*
5.00 to 5.50	*0*
5.50 to 6.00	*0*
6.00 to 6.50	*0*
6.50 to 7.00	*0*
7.00 to 7.50	*0*
7.50 to 8.00	*0*
8.00 to 8.50	*0*
8.50 to 9.00	*0*
9.00 to 9.50	*0*
9.50 to 10.00	*0*
10.00 to 10.50	*0*
10.50 to 11.00	*0*
11.00 to 11.50	*0*

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1507**
Sample Code:	**PS331507**
Method used:	*Laser Granulometry*
Equipment used:	*Malvern Mastersizer2000 (0.01- 2000mu)*
Peroxide treatment used:	**No**
Chemical dispersant used:	**No**
% less than 63 micron:	*0%*
Median particle diameter (phi):	*1.64*
Mean particle diameter (phi):	*1.64*
Sorting Coefficient:	*0.56*
Inclusive Graphic Skewness (SKi):	*-0.04*
Sediment Description Pre-analysis (e.g. sandy mud):	*Sand*
Sediment Description Post-analysis (Folk Triangle)†:	*Sand*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	0
-3.00 to -2.50	0
-2.50 to -2.00	0
-2.00 to -1.50	0
-1.50 to -1.00	0
-1.00 to -0.50	0.00
-0.50 to 0.00	0.04
0.00 to 0.50	1.54
0.50 to 1.00	10.62
1.00 to 1.50	27.63
1.50 to 2.00	35.66
2.00 to 2.50	19.93
2.50 to 3.00	4.56
3.00 to 3.50	0.02
3.50 to 4.00	0
4.00 to 4.50	0
4.50 to 5.00	0
5.00 to 5.50	0
5.50 to 6.00	0
6.00 to 6.50	0
6.50 to 7.00	0
7.00 to 7.50	0
7.50 to 8.00	0
8.00 to 8.50	0
8.50 to 9.00	
9.00 to 9.50	
9.50 to 10.00	
10.00 to 10.50	
10.50 to 11.00	
11.00 to 11.50	

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. By 27-03-09

Particle Size Analysis:	**PS33**
Lab Code:	**LB1508**
Sample Code:	**PS331508**
Method used:	Wet Sieve, Dry Sieve and Laser Diffraction
Equipment used:	Endecott Test Sieves (half phi - 90mm -63um) Malvern Mastersizer Micro Laser Diffractor (63um - 0.313um)
Peroxide treatment used:	no
Chemical dispersant used:	no
% less than 63 micron:	0.72
Median particle diameter (phi):	2.02
Mean particle diameter (phi):	1.91
Sorting Coefficient:	0.55
Inclusive Graphic Skewness (SKi):	-0.42
Sediment Description Pre-analysis (i.e. sandy mud):	sand
Sediment Description Post-analysis (Folk Triangle)†:	sand

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to 3.00	n/a
-3.00 to -2.50	n/a
-2.50 to -2.00	n/a
-2.00 to -1.50	n/a
-1.50 to -1.00	0.011
-1.00 to -0.50	2.756
-0.50 to 0.00	3.689
0.00 to 0.50	4.501
0.50 to 1.00	12.101
1.00 to 1.50	29.367
1.50 to 2.00	75.609
2.00 to 2.50	130.121
2.50 to 3.00	6.378
3.00 to 3.50	0.247
3.50 to 4.00	0.186
4.00 to 4.50	0.091
4.50 to 5.00	0.097
5.00 to 5.50	0.102
5.50 to 6.00	0.118
6.00 to 6.50	0.136
6.50 to 7.00	0.146
7.00 to 7.50	0.164
7.50 to 8.00	0.174
8.00 to 8.50	0.894
8.50 to 9.00	n/a
9.00 to 9.50	n/a
9.50 to 10.00	n/a
10.00 to 10.50	n/a
10.50 to 11.00	n/a
11.00 to 11.50	n/a

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1509**
Sample Code:	**PS331509**
Method used:	*Dry sieve*
Equipment used:	*Retsch AS200 sieve shaker*
Peroxide treatment used:	**no**
Chemical dispersant used:	**no**
% less than 63 micron:	*0.062*
Median particle diameter (phi):	*1.747*
Mean particle diameter (phi):	*1.734*
Sorting Coefficient:	*0.448*
Inclusive Graphic Skewness (SKi):	*-0.166*
Sediment Description Pre-analysis (e.g. sandy mud):	*Sand*
Sediment Description Post-analysis (Folk Triangle)†:	*Sand*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	
-3.00 to -2.50	
-2.50 to -2.00	
-2.00 to -1.50	
-1.50 to -1.00	**0.015**
-1.00 to -0.50	
-0.50 to 0.00	*1.958*
0.00 to 0.50	*2.339*
0.50 to 1.00	*4.132*
1.00 to 1.50	*9.627*
1.50 to 2.00	*63.797*
2.00 to 2.50	*15.009*
2.50 to 3.00	*2.992*
3.00 to 3.50	
3.50 to 4.00	*0.07*
4.00 to 4.50	*0.062 (pan)*
4.50 to 5.00	
5.00 to 5.50	
5.50 to 6.00	
6.00 to 6.50	
6.50 to 7.00	
7.00 to 7.50	
7.50 to 8.00	
8.00 to 8.50	
8.50 to 9.00	
9.00 to 9.50	
9.50 to 10.00	
10.00 to 10.50	
10.50 to 11.00	
11.00 to 11.50	

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1510**
Sample Code:	**PS331510**
Method used:	*Laser Diffraction and Wet / Dry Sieving*
Equipment used:	*Malvern Mastersizer 2000 MU*
Peroxide treatment used:	**no**
Chemical dispersant used:	**no**
% less than 63 micron:	*0%*
Median particle diameter (phi):	*1.62*
Mean particle diameter (phi):	*1.62*
Sorting Coefficient:	*0.575*
Inclusive Graphic Skewness (SKi):	*-0.057*
Sediment Description Pre-analysis (e.g. sandy mud):	*SAND*
Sediment Description Post-analysis (Folk Triangle)†:	*SAND*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	**0.00**
-3.00 to -2.50	**0.00**
-2.50 to -2.00	**0.00**
-2.00 to -1.50	**0.00**
-1.50 to -1.00	**0.00**
-1.00 to -0.50	*1.00*
-0.50 to 0.00	*1.15*
0.00 to 0.50	*1.18*
0.50 to 1.00	*10.44*
1.00 to 1.50	*27.59*
1.50 to 2.00	*34.76*
2.00 to 2.50	*20.09*
2.50 to 3.00	*3.79*
3.00 to 3.50	*0.00*
3.50 to 4.00	*0.00*
4.00 to 4.50	*0.00*
4.50 to 5.00	*0.00*
5.00 to 5.50	*0.00*
5.50 to 6.00	*0.00*
6.00 to 6.50	*0.00*
6.50 to 7.00	*0.00*
7.00 to 7.50	*0.00*
7.50 to 8.00	*0.00*
8.00 to 8.50	*0.00*
8.50 to 9.00	*0.00*
9.00 to 9.50	*0.00*
9.50 to 10.00	*0.00*
10.00 to 10.50	*0.00*
10.50 to 11.00	*0.00*
11.00 to 11.50	*0.00*

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1511**
Sample Code:	**PS331511**
Method used:	*Wet sieve>1mm, Lazer diffrcation remainder*
Equipment used:	*Mastersizer 2000*
Peroxide treatment used:	**no**
Chemical dispersant used:	**no**
% less than 63 micron:	*0*
Median particle diameter (phi):	*1.65*
Mean particle diameter (phi):	*1.65*
Sorting Coefficient:	*0.56*
Inclusive Graphic Skewness (SKi):	*-0.04*
Sediment Description Pre-analysis (e.g. sandy mud):	*Medium SANDS*
Sediment Description Post-analysis (Folk Triangle)†:	*SAND*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	*0*
-3.00 to -2.50	
-2.50 to -2.00	*0*
-2.00 to -1.50	
-1.50 to -1.00	*0*
-1.00 to -0.50	*0*
-0.50 to 0.00	*0*
0.00 to 0.50	*1.08*
0.50 to 1.00	*9.53*
1.00 to 1.50	*26.50*
1.50 to 2.00	*36.14*
2.00 to 2.50	*21.47*
2.50 to 3.00	*5.26*
3.00 to 3.50	*0.03*
3.50 to 4.00	*0*
4.00 to 4.50	*0*
4.50 to 5.00	*0*
5.00 to 5.50	*0*
5.50 to 6.00	*0*
6.00 to 6.50	*0*
6.50 to 7.00	*0*
7.00 to 7.50	*0*
7.50 to 8.00	*0*
8.00 to 8.50	
8.50 to 9.00	*0*
9.00 to 9.50	
9.50 to 10.00	*0*
10.00 to 10.50	
10.50 to 11.00	
11.00 to 11.50	

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1526**
Sample Code:	**PS331526**
Method used:	*Laser diffraction*
Equipment used:	*Malvern Mastersizer 2000*
Peroxide treatment used:	**no***
Chemical dispersant used:	**no***
% less than 63 micron:	*0*
Median particle diameter (phi):	*1.7*
Mean particle diameter (phi):	*1.62*
Sorting Coefficient:	*0.46*
Inclusive Graphic Skewness (SKi):	*0.01*
Sediment Description Pre-analysis (e.g. sandy mud):	*Medium Sand*
Sediment Description Post-analysis (Folk Triangle)†:	*Medium Sand*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	**0**
-3.00 to -2.50	**0**
-2.50 to -2.00	**0**
-2.00 to -1.50	**0**
-1.50 to -1.00	**0**
-1.00 to -0.50	*0*
-0.50 to 0.00	*0*
0.00 to 0.50	*0.18*
0.50 to 1.00	*6.68*
1.00 to 1.50	*27.25*
1.50 to 2.00	*39.68*
2.00 to 2.50	*22.65*
2.50 to 3.00	*3.57*
3.00 to 3.50	*0*
3.50 to 4.00	*0*
4.00 to 4.50	*0*
4.50 to 5.00	*0*
5.00 to 5.50	*0*
5.50 to 6.00	*0*
6.00 to 6.50	*0*
6.50 to 7.00	*0*
7.00 to 7.50	*0*
7.50 to 8.00	*0*
8.00 to 8.50	*0*
8.50 to 9.00	*0*
9.00 to 9.50	*0*
9.50 to 10.00	*0*
10.00 to 10.50	*0*
10.50 to 11.00	*0*
11.00 to 11.50	*0*

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.

NMBAQCS - PS Exercise Record Sheet

Return to Unicomarine Ltd. by 27-03-09

Exercise Code:	**PS33**
LabCode:	**LB1527**
Sample Code:	**PS331527**
Method used:	*Laser Diffraction*
Equipment used:	*Malvern Mastersizer 2000*
Peroxide treatment used:	**No**
Chemical dispersant used:	**No**
% less than 63 micron:	*0*
Median particle diameter (phi):	*1.87*
Mean particle diameter (phi):	*1.87*
Sorting Coefficient:	*0.36*
Inclusive Graphic Skewness (SKi):	*-0.01*
Sediment Description Pre-analysis (e.g. sandy mud):	*Medium sand*
Sediment Description Post-analysis (Folk Triangle)†:	*Well sorted medium sand*

*(*deleted as applicable)*

Phi interval (explicit)	Volume/Weight (%)
-3.50 to -3.00	
-3.00 to -2.50	
-2.50 to -2.00	
-2.00 to -1.50	
-1.50 to -1.00	
-1.00 to -0.50	*0*
-0.50 to 0.00	*0*
0.00 to 0.50	*0*
0.50 to 1.00	*0.48*
1.00 to 1.50	*15.39*
1.50 to 2.00	*48.11*
2.00 to 2.50	*32.42*
2.50 to 3.00	*3.61*
3.00 to 3.50	*0*
3.50 to 4.00	*0*
4.00 to 4.50	*0*
4.50 to 5.00	*0*
5.00 to 5.50	*0*
5.50 to 6.00	*0*
6.00 to 6.50	*0*
6.50 to 7.00	*0*
7.00 to 7.50	*0*
7.50 to 8.00	*0*
8.00 to 8.50	*0*
8.50 to 9.00	*0*
9.00 to 9.50	*0*
9.50 to 10.00	*0*
10.00 to 10.50	*0*
10.50 to 11.00	*0*
11.00 to 11.50	*0*

continue if necessary...

† The Folk Sediment Description Triangle can be found on the British Geological Surveys web site or Folk, R. L. (1974) The Petrology of Sedimentary Rocks. Hemphill Publishing Co.