



CUSTOMER CENTRIC - ANALYTICAL CHEMISTS

Accredited for compliance with ISO/IEC 17025. The results of test, calibration and/or measurements included in this document are traceable to Australian/International standards. NATA is a signatory to the NPLAC mutual recognition arrangement for the mutual recognition of the equivalence of testing, calibration and inspection reports.

Quantitate Approved Premises criteria 5.1 for quarantine containment level 1 (QCL) facilities. Class five criteria cover premises utilised for research, analysis and testing of biological material, soil, animal, plant and human products.

FINAL CERTIFICATE OF ANALYSIS - ENVIRONMENTAL DIVISION

<b>Laboratory Report No:</b> E039320	<b>Cover Page 1 of 4</b>
<b>Client Name:</b> SEEC Morse McVey	<b>plus Sample Results</b>
<b>Client Reference:</b> Berrima	
<b>Contact Name:</b> Andrew Macleod	
<b>Chain of Custody No:</b> na	<b>Date Received:</b> 22/08/2008
<b>Sample Matrix:</b> WATER	<b>Date Reported:</b> 01/09/2008

This Final Certificate of Analysis consists of sample results, DQI's, method descriptions, laboratory definitions, and internationally recognised NATA accreditation and endorsement. The DQO compliance relates specifically to QA/QC results as performed as part of the sample analysis, and may provide an indication of sample result quality. Transfer of report ownership from Labmark to the client shall only occur once full & final payment has been settled and verified. All report copies may be retracted where full payment has not occurred within the agreed settlement period.

QUALITY ASSURANCE CRITERIA

**Accuracy:** matrix spike: 1 in first 5-20, then 1 every 20 samples  
lcs, crm, method: 1 per analytical batch  
surrogate spike: addition per target organic method

**Precision:** laboratory duplicate: 1 in first 5-10, then 1 every 10 samples  
laboratory triplicate: re-extracted & reported when duplicate RPD values exceed acceptance criteria

**Holding Times:** soils, waters: Refer to LabMark Preservation & THT table  
VOC's 14 days water / soil  
VAC's 7 days water or 14 days acidified  
VAC's 14 days soil  
SVOC's 7 days water, 14 days soil  
Pesticides 7 days water, 14 days soil  
Metals 6 months general elements  
Mercury 28 days

**Confirmation:** target organic analysis: GC/MS, or confirmatory column

**Sensitivity:** EQL: Typically 2-5 x Method Detection Limit (MDL)

QUALITY CONTROL

GLOBAL ACCEPTANCE CRITERIA (GAC)

**Accuracy:** spike, lcs, crm general analytes 70% - 130% recovery  
surrogate: phenol analytes 50% - 130% recovery  
organophosphorous pesticide analytes 60% - 130% recovery  
phenoxy acid herbicides, organotin 50% - 130% recovery

anion/cation bal: +/- 10% (0-3 meq/l), +/- 5% (>3 meq/l)

**Precision:** method blank: not detected >95% of the reported EQL  
duplicate lab 0-30% (>10xEQL), 0-75% (5-10xEQL)  
RPD (metals): 0-100% (<5xEQL)  
duplicate lab 0-50% (>10xEQL), 0-75% (5-10xEQL)  
RPD: 0-100% (<5xEQL)

QUALITY CONTROL

ANALYTE SPECIFIC ACCEPTANCE CRITERIA (ASAC)

**Accuracy:** spike, lcs, crm analyte specific recovery data  
surrogate: <3xstd of historical mean

**Uncertainty:** spike, lcs: measurement calculated from historical analyte specific control charts

RESULT ANNOTATION

Data Quality Objective s: matrix spike recovery p: pending bcs: batch specific lcs  
Data Quality Indicator d: laboratory duplicate lcs: laboratory control sample bmb: batch specific mb  
Estimated Quantitation Limit t: laboratory triplicate crm: certified reference material  
not applicable r: RPD relative % difference mb: method blank

David Burns  
Quality Control (Report signatory)  
david.burns@labmark.com.au

Geoff Weir  
Authorising Chemist (NATA signatory)  
geoff.weir@labmark.com.au

Simon Mills  
Authorising Chemist (NATA signatory)  
simon.mills@labmark.com.au

This document is issued in accordance with NATA's accreditation requirements.

© copyright 2000

LabMark PTY LTD ABN 27 079 798 397  
\* SYDNEY: Unit 1, 8 Leighton Place Asquith NSW 2077 \* MELBOURNE: 116 Moray Street, South Melbourne VIC 3205  
\* Telephone: (02) 9476 6533 \* Fax: (02) 9476 8219 \* Telephone: (03) 9686 8344 \* Fax: (03) 9686 7344

Form QS9144, Rev. 1 : Date Issued 06/02/08



CUSTOMER CENTRIC - ANALYTICAL CHEMISTS



Laboratory Report: E039320

Cover Page 2 of 4

NEPC GUIDELINE COMPLIANCE - DQO

1. GENERAL

- A. Results relate specifically to samples as received. Sample results are not corrected for matrix spike, lcs, or surrogate recovery data.
- B. EQL's are matrix dependant and may be increased due to sample dilution or matrix interference.
- C. Laboratory QA/QC samples are specific to this project.
- D. Inter-laboratory proficiency results are available upon request. NATA accreditation details available at [www.nata.asn.au](http://www.nata.asn.au).
- E. VOC spikes & surrogates added to samples during extraction, SVOC spikes & surrogates added prior to extraction.
- F. Recovery data outside GAC limits shall be investigated and compared to ASAC (historical mean +/- 3sd). If recovery data <20%, then the relevant results for that compound are considered not reliable.
- G. Recovery data (ms, surrogate, crm, lcs) outside ASAC limits shall initiate an investigative action. Anomalous QC data is examined in conjunction with other QC samples and a final decision whether to accept or reject results is provided by the professional judgement of the senior analyst. The USEPA-CLP National Functional Guidelines are referred to for specific recommendations.
- H. Extraction (preparation) date refers to the date that sample preparation was initiated. Note that certain methods not requiring sample preparation (eg. VOCs in water, etc) may report a common extraction and analysis date.
- I. LabMark shall maintain an official copy of this Certificate of Analysis for all tracable reference purposes.

2. CHAIN OF CUSTODY (COC) & SAMPLE RECEIPT NOTICE (SRN) REQUIREMENTS

- A. SRN issued to client upon sample receipt & login verification.
- B. Preservation & sampling date details specified on COC and SRN, unless noted.
- C. Sample Integrity & Validated Time of Sample Receipt (VTSR) Holding Times verified (preservation may extend holding time, refer to preservation chart).

3. NATA ACCREDITED METHODS

- A. NATA accreditation held for each in-house method and sample matrix type reported, unless noted below (Refer to subcontracted test reports for NATA accreditation status).
- B. NATA accredited in-house laboratory methods are referenced from NEPC, ASTM, modified USEPA / APHA documents. Corporate Accreditation No. 13542.
- C. Subcontracted analyses: Refer to Sample Receipt Notice and additional DQO comments.  
Reported by Sydney Analytical Laboratories, NATA accreditation No.1884.

This document is issued in accordance with NATA's accreditation requirements.

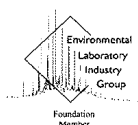
© copyright 2000

LabMark PTY LTD ABN 27 079 798 397  
\* SYDNEY: Unit 1, 8 Leighton Place Asquith NSW 2077 \* MELBOURNE: 116 Moray Street, South Melbourne VIC 3205  
\* Telephone: (02) 9476 6533 \* Fax: (02) 9476 8219 \* Telephone: (03) 9686 8344 \* Fax: (03) 9686 7344

Form Q50144, Rev. 1.1 Date Issued 06/02/08



CUSTOMER CENTRIC - ANALYTICAL CHEMISTS



Laboratory Report: E039320

Cover Page 3 of 4

4. QA/QC FREQUENCY COMPLIANCE TABLE SPECIFIC TO THIS REPORT

Matrix: **WATER**

Page:	Method:	Totals:	#d	%d-ratio	#t	#s	%s-ratio
1	pH in water	3	0	0%	0	0	0%
2	Electrical conductivity (EC)	3	0	0%	0	0	0%
3	Total alkalinity	3	0	0%	0	0	0%
4	Chloride	3	0	0%	0	0	0%
5	Sulphate	3	0	0%	0	0	0%
6	Ion Balance	3	0	0%	0	0	0%
7	Total Nitrogen (as N)	3	0	0%	0	0	0%
8	Total Phosphorus (as P)	3	0	0%	0	0	0%
9	Unfiltered metals	3	0	0%	0	0	0%
10	Major cations	3	0	0%	0	0	0%
11	Suspended Solids (TSS)	3	1	33%	0	0	0%

GLOSSARY:

- #d number of discrete duplicate extractions/analyses performed.
- %d-ratio NEPC guideline for laboratory duplicates is 1 in 10 samples (min 10%).
- #t number of triplicate extractions/analyses performed.
- #s number of spiked samples analysed.
- %s-ratio USEPA guideline for laboratory matrix spikes is 1 in 20 samples (min 5%).

This document is issued in accordance with NATA's accreditation requirements.

© copyright 2000

LabMark PTY LTD ABN 27 079 798 397

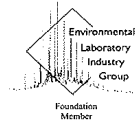
\* SYDNEY: Unit 1, 8 Leighton Place Asquith NSW 2077  
\* Telephone: (02) 9476 6533 \* Fax: (02) 9476 8219

\* MELBOURNE: 116 Moray Street, South Melbourne VIC 3205  
\* Telephone: (03) 9686 8344 \* Fax: (03) 9686 7344

Form Q50144, Rev. 1 : Date Issued 06/02/08



CUSTOMER CENTRIC - ANALYTICAL CHEMISTS



Laboratory Report: E039320

Cover Page 4 of 4

**5. ADDITIONAL COMMENTS SPECIFIC TO THIS REPORT**

- A. All tests were conducted by LabMark Environmental Sydney, NATA accreditation No. 13542, Corporate Site No. 13535, unless indicated below.
- B. The following test was conducted by Sydney Analytical Laboratories, NATA accreditation No.1884. :-TSS; SAL reference SAL21212 report issued on 29/08/2008

Laboratory QA/QC data shall relate specifically to this report, and may provide an indication of site specific sample result quality. LabMark DOES NOT report NON-RELEVANT BATCH QA/QC data. Acceptance of this self assessment certificate does not preclude any requirement for a QA/QC review by a accredited contaminated site EPA auditor, when and wherever necessary. Laboratory QA/QC self assessment references available upon request.

This document is issued in accordance with NATA's accreditation requirements.

© copyright 2000

LabMark PTY LTD ABN 27 079 798 397  
\* SYDNEY: Unit 1, 8 Leighton Place Asquith NSW 2077 \* MELBOURNE: 116 Moray Street, South Melbourne VIC 3205  
\* Telephone: (02) 9476 6533 \* Fax: (02) 9476 8219 \* Telephone: (03) 9686 8344 \* Fax: (03) 9686 7344

Form QS0144, Rev. 1 : Date Issued 06/02/05



**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Page:** 1 of 11  
 plus cover page  
**Date:** 01/09/08  
 This report supersedes reports issued on: N/A

Final

**Certificate**  
 of Analysis

Laboratory Identification	172783	172784	172785				
Sample Identification	SW1	SW2	SW3				
Depth (m)	---	---	---				
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08				
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08				
Laboratory Analysis Date	22/8/08	22/8/08	22/8/08				
<b>Method : E018.1</b>							
<b>pH in water</b>							
<b>pH (pH units)</b>	EQL 0.1	7.7	7.5	7.8			

Results expressed in pH units unless otherwise specified

Comments:

E018.1: Direct measurement by pH ion selective electrode.

SEEC

**Page:** 2 of 11  
 plus cover page  
**Date:** 01/09/08  
 This report supersedes reports issued on: N/A

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**LabMark**  
 ENVIRONMENTAL LABORATORIES

**Final Certificate**  
 of Analysis

Laboratory Identification	172783	172784	172785	mb
Sample Identification	SW1	SW2	SW3	QC
Depth (m)	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08	22/8/08
Laboratory Analysis Date	22/8/08	22/8/08	22/8/08	22/8/08
<b>Method : E032.1</b>				
<b>Electrical conductivity (EC)</b>				
Electric conductivity (uS/cm)	393	102	396	1

Results expressed in uS/cm unless otherwise specified  
 Comments:

E032.1: Measurement by EC probe. Results expressed in uS/cm.

**LabMark**  
ENVIRONMENTAL LABORATORIES

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

Page: 3 of 11  
plus cover page  
Date: 01/09/08

Final  
Certificate  
of Analysis

This report supersedes reports issued on: N/A

Laboratory Identification	172783	172784	172785	lbs	mb
Sample Identification	SW1	SW2	SW3	QC	QC
Depth (m)	--	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--	--
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08	22/8/08	22/8/08
Laboratory Analysis Date	25/8/08	25/8/08	25/8/08	25/8/08	25/8/08
Method : E035.1 Total alkalinity	76	27	89	95%	<5
Alkalinity					

Results expressed in mg/l unless otherwise specified

Comments:

E035.1: Determination by colour and/or by titration. Results expressed as CaCO3.

SEEC

**LabMark**  
 ENVIRONMENTAL LABORATORIES

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

Laboratory Identification	172783	172784	172785	lcs	mb
Sample Identification	SW1	SW2	SW3	QC	QC
Depth (m)	--	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--	--
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08	22/8/08	22/8/08
Laboratory Analysis Date	29/8/08	29/8/08	29/8/08	29/8/08	29/8/08
<b>Method : E033.1/E045.1/E047.1</b>					
<b>Chloride</b>					
<b>Chloride</b>	60	15	55	99%	<1

Results expressed in mg/l unless otherwise specified

Comments:

E033.1/E045.1/E047.1: Determination by colour and/or by Ion Chromatography. Sample filtered through a 0.45um filter prior to analysis.

SEEC





**LabMark**  
 ENVIRONMENTAL LABORATORIES

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

Page: 5 of 11

Final  
**Certificate**  
 of Analysis

plus cover page  
**Date:** 01/09/08

This report supersedes reports issued on: N/A

Laboratory Identification	172783	172784	172785	ics	mb
Sample Identification	SW1	SW2	SW3	QC	QC
Depth (m)	---	---	---	---	---
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	---	---
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08	22/8/08	22/8/08
Laboratory Analysis Date	29/8/08	29/8/08	29/8/08	29/8/08	29/8/08
<b>Method : E042.1/E045.1/E056.1</b>					
<b>Sulphate</b>	2	<2	26	92%	<2
<b>Sulphate</b>					

Results expressed in mg/l unless otherwise specified

Comments:

E042.1/E045.1/E056.1: Determination by colour and/or by Ion Chromatography. Sample filtered through 0.45um prior to analysis.



**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Page:** 6 of 11  
 plus cover page  
**Date:** 01/09/08  
 This report supersedes reports issued on: N/A

Final

**Certificate**  
 of Analysis

Laboratory Identification	172783	172784	172785				
Sample Identification	SW1	SW2	SW3				
Depth (m)	--	--	--				
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08				
Laboratory Extraction (Preparation) Date	25/8/08	25/8/08	25/8/08				
Laboratory Analysis Date	1/9/08	1/9/08	1/9/08				
<b>Method:</b> --							
<b>Ion Balance</b>							
Anions total (meq/L)	3.0	0.9	3.6				
Cation total (meq/L)	--	0.9	3.8				
Percentage Difference %	6.5	--	5.4				
<b>EQL</b>							

Results expressed in me/l unless otherwise specified

Comments:

--: Calculated Ion Balance from major cation/anion determination.





**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Page:** 7 of 11  
 plus cover page  
**Date:** 01/09/08

Final  
**Certificate**  
 of Analysis

This report supercedes reports issued on: N/A

Laboratory Identification	172783	172784	172785	lcs	mb
Sample Identification	SW1	SW2	SW3	QC	QC
Depth (m)	--	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--	--
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08	22/8/08	22/8/08
Laboratory Analysis Date	26/8/08	26/8/08	26/8/08	26/8/08	26/8/08
<b>Method : E038.1</b>					
<b>Total Nitrogen (as N)</b>	7.3	0.2	<0.1	95%	<0.1
Total Nitrogen (as N)	EQL 0.1				

Results expressed in mg/l unless otherwise specified

Comments:

E038.1: Total Nitrogen by calculation.

SEEC

**LabMark**  
 ENVIRONMENTAL LABORATORIES

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Page:** 8 of 11  
 plus cover page  
**Date:** 01/09/08  
 This report supersedes reports issued on: N/A

Final  
**Certificate**  
 of Analysis

Laboratory Identification	172783	172784	172785	lcs	mb
Sample Identification	SW1	SW2	SW3	QC	QC
Depth (m)	--	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--	--
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08	22/8/08	22/8/08
Laboratory Analysis Date	25/8/08	25/8/08	25/8/08	25/8/08	25/8/08
<b>Method : E038.1</b>					
<b>Total Phosphorus (as P)</b>	0.20	0.02	0.03	104%	<0.01
<b>Total Phosphorus (as P)</b>	EQL 0.01				

Results expressed in mg/l unless otherwise specified

Comments:

E038.1: Alkaline persulphate digestion followed by colour determination.

SEEC



**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

**Page:** 9 of 11

**Final Certificate of Analysis**

plus cover page  
**Date:** 01/09/08

This report supersedes reports issued on: N/A

Laboratory Identification	172783	172784	172785	ics	mb
Sample Identification	SW1	SW2	SW3	QC	QC
Depth (m)	--	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--	--
Laboratory Extraction (Preparation) Date	25/8/08	25/8/08	25/8/08	25/8/08	25/8/08
Laboratory Analysis Date	27/8/08	27/8/08	27/8/08	27/8/08	27/8/08
<b>Method : E020.1/E030.1</b>					
<b>Unfiltered metals</b>					
Iron	7.92	0.82	0.45	110%	<0.05

Results expressed in mg/l unless otherwise specified

Comments:

E020.1/E030.1: 25ml digested in nitric/hydrochloric acid. Analysis by AAS and/or ICP-OES. (Silicon&Titanium determination are not covered by NATA accreditation).

**Page:** 10 of 11  
 plus cover page  
**Date:** 01/09/08  
 This report supersedes reports issued on: N/A

**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382



Final  
 Certificate  
 of Analysis

Laboratory Identification	172783	172784	172785	ics	mb
Sample Identification	SW1	SW2	SW3	QC	QC
Depth (m)	--	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--	--
Laboratory Extraction (Preparation) Date	22/8/08	22/8/08	22/8/08	22/8/08	22/8/08
Laboratory Analysis Date	29/8/08	29/8/08	29/8/08	27/8/08	27/8/08
<b>Method : E020.1/E030.1</b>					
<b>Major cations</b>	<b>EQL</b>				
Calcium	13.6	4.0	34.6	105%	<0.1
Magnesium	0.1	2.9	6.8	105%	<0.1
Sodium	0.1	10	29.5	107%	<0.1
Potassium	0.1	1.2	8.4	107%	<0.1

Results expressed in mg/l unless otherwise specified  
 Comments:

E020.1/E030.1: Sample directly analysed by Flame AAS and/or ICP-OES.

SEEC



**Laboratory Report No:** E039320  
**Client Name:** SEEC Morse McVey  
**Contact Name:** Andrew Macleod  
**Client Reference:** Berrima 08000382

Page: 11 of 11  
 plus cover page

**Final Certificate**  
 of Analysis

This report supersedes reports issued on: N/A

Laboratory Identification	172783	172784	172785	172783d	172783r	mb
Sample Identification	SW1	SW2	SW3	QC	QC	QC
Depth (m)	--	--	--	--	--	--
Sampling Date recorded on COC	22/8/08	22/8/08	22/8/08	--	--	--
Laboratory Extractions (Preparation) Date	26/8/08	26/8/08	26/8/08	26/8/08	26/8/08	26/8/08
Laboratory Analysis Date	28/8/08	28/8/08	28/8/08	28/8/08	28/8/08	28/8/08
<b>Method : 2540D</b>						
<b>Suspended Solids (TSS)</b>						
Total suspended solids	32	11	4	31	3%	<1

Results expressed in mg/l unless otherwise specified

Comments:

2540D: Gravimetric test.

SEEC



Report Date : 25/08/2008  
 Report Time : 9:52:45AM

Sample  
**Receipt**  
 Notice (SRN) for **E039320**



Quality, Service, Support

Client Details		Laboratory Reference Information	
<b>Client Name:</b>	SEEC Morse McVey	<b>Please have this information ready when contacting Labmark.</b>	
<b>Client Phone:</b>	02 4862 1633	<b>Laboratory Report:</b>	<b>E039320</b>
<b>Client Fax:</b>	02 4862 3088	<b>Quotation Number:</b>	- Not provided, standard prices apply
<b>Contact Name:</b>	Andrew Macleod	<b>Laboratory Address:</b>	Unit 1, 8 Leighton Pl. Asquith NSW 2077
<b>Contact Email:</b>	amacleod@morsemcvey.com.au	<b>Phone:</b>	61 2 9476 6533
<b>Client Address:</b>	PO Box 1098 Bowral NSW 2576	<b>Fax:</b>	61 2 9476 8219
<b>Project Name:</b>	Berrima	<b>Sample Receipt Contact:</b>	Ros Schacht
<b>Project Number:</b>	08000382	<b>Email:</b>	Ros.Schacht@labmark.com.au
<b>CoC Serial Number:</b>	- Not provided -	<b>Reporting Contact:</b>	Geoff Weir
<b>Purchase Order:</b>	- Not provided -	<b>Email:</b>	geoff.weir@labmark.com.au
<b>Surcharge:</b>	No surcharge applied (results by 6:30pm on due date)	<b>NATA Accreditation:</b>	13542
<b>Sample Matrix:</b>	WATER	<b>TGA GMP License:</b>	185-336 (Sydney)
<b>Date Sampled (earliest date):</b>	22/08/2008	<b>APVMA License:</b>	6105 (Sydney)
<b>Date Samples Received:</b>	22/08/2008	<b>AQIS Approval:</b>	NO356 (Sydney)
<b>Date Sample Receipt Notice issued:</b>	25/08/2008	<b>AQIS Entry Permit:</b>	200521534 (Sydney)
<b>Date Preliminary Report Due:</b>	01/09/2008		

**Reporting Requirements:** Electronic Data Download required: No **Invoice Number: 08EA0388**

**Sample Condition:** COC received with samples. Report number and lab ID's defined on COC.  
 Samples received in good order .  
 Samples received with cooling media: No cooling media .  
 Samples received chilled.  
 Security seals intact .  
 Sample container & chemical preservation suitable .

**Comments:** TSS subcontracted to SAL | Ion Balance calculated from pH, EC, Cations, Alkalinity, SO4 and Cl | TN calculated from TKN and NOx | pH analysed on last day of THT

**Holding Times:** Date received allows for sufficient time to meet Technical Holding Times.

**Preservation:** Chemical preservation of samples satisfactory for requested analytes.

**Important Notes:**

LabMark shall responsibly dispose of spent customer soil and water samples which includes the disintegration of the sample label. A sample disposal fee of \$1.00 is applicable on all samples received by the laboratory regardless of whether they have undergone analytical testing. Sample disposal of environmental samples shall be 31 days (water) and 3 months (soil, HNO3 preserved samples) after laboratory receipt, unless otherwise requested in writing by the client. Samples requested to be held in non-refrigerated storage shall incur \$5.00/ sample/ 3 months. Additional refrigerated storage shall incur \$30/ sample/ 3 months. Combination prices apply only if requested. Transfer of report ownership from LabMark to the client shall occur once full and final payment has been settled and verified. All report copies may be retracted where full payment does not occur within the agreed settlement period.

**Analysis comments:**

**Subcontracted Analyses:**

Reported by Sydney Analytical Laboratories, NATA accreditation No.1884.

**Thank you for choosing Labmark to analyse your project samples.**  
 Additional information on [www.labmark.com.au](http://www.labmark.com.au)





Report Date : 25/08/2008  
 Report Time : 9:52:45AM

**Sample  
 Receipt  
 Notice (SRN) for E039320**



**Quality, Service, Support**

The table below represents LabMark's understanding and interpretation of the customer supplied sample COC request (refer to SRN comments section on first page for external subcontracting method details). Please confirm that your COC request has been entered correctly. Due to THT and TAT requirements, testing shall commence immediately as per this table, unless the customer intervenes with a correction prior to testing.

GRID REVIEW TABLE				Requested Analysis																						
No.	Date	Depth	Client Sample ID	Major cations	Chloride	Electrical conductivity (EC)	Ion Balance	Unfiltered metals	NOx (as N)	pH in water	PREP Not Reported	Sulphate	TKN (as N)	Total alkalinity	Total Nitrogen (as N)	Total Phosphorus (as P)	External Suspended Solids (TSS)									
172783	22/08		SW1	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
172784	22/08		SW2	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
172785	22/08		SW3	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
Totals:				3	3	3	3	3	3	3	3	3	3	3	3	3	3									

'PREP Not Reported' refers to an internal laboratory instruction - client confirmation of this parameter is not required.

**Thank you for choosing Labmark to analyse your project samples.**  
 Additional information on [www.labmark.com.au](http://www.labmark.com.au)

Form QS0012, Rev 12: Date Issued 06/02/08.



Report Date : 25/08/2008  
 Report Time : 9:52:45AM

**Sample Receipt**  
 Notice (SRN) for **E039320**



**Quality, Service, Support**

				Requested Analysis																			
No.	Date	Depth	Client Sample ID	METT-AAS_W Iron																			
172783	22/08		SW1	●																			
172784	22/08		SW2	●																			
172785	22/08		SW3	●																			
Totals:				3																			

**Thank you for choosing Labmark to analyse your project samples.**  
 Additional information on [www.labmark.com.au](http://www.labmark.com.au)

Form QS0012, Rev 12: Date Issued 06/02/08.