

Final - Report Number: 2097426

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 **Ship To:** 0150199259

Representative: Clive Stacey

Sample Number

AW064155

Date Sampled

2-Jul-2017

Date Received

3-Jul-2017

Date Completed

14-Jul-2017

Date Authorised

14-Jul-2017

Summary Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

Testing Laboratory: ALS Environmental

Water

Alkalinity	Test Method: ED037-P	Total
Total Alkalinity (CaCO ₃)		82 mg/L

Phosphate	Test Method: EK067G	Total
Total Phosphate (PO ₄)		2.11 mg/L

Physical	Test Method	Total
Conductivity at 25°C	EA010-P	525 µS/cm
pH @ 25°C	EA005-P	5.65 pH Units

Demand	Test Method	Total
BOD (5-Day)	EP030	93 mg/L
Chemical Oxygen Demand (O ₂)	EP026ST	238 mg/L

Other	Test Method	Total
Free Carbon Dioxide	EA165-P	367 mg/L
Total Carbon Dioxide	EA165-P	439 mg/L
Ethanol	EP117	63.3 mg/L
Nitrogen (N)	EK062G	1.8 mg/L

Testing services provided by: ALS Environmental. NATA Accreditation no. 825. Report Number: ES1716254. Report Date: 10-Jul-2017

Testing services provided by: ALS Environmental. NATA Accreditation no. 825. Report Number: ES1716254. Report Date: 14-Jul-2017



Authorised by Mohammad Sjam
Chemist

Final - Report Number: 1782919

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 **Ship To:** 0150199259

Representative: CLIVE STACEY

Sample Number

AW058325

Date Sampled

22-Jun-2016

Date Received

23-Jun-2016

Date Completed

7-Jul-2016

Date Authorised

7-Jul-2016

Summary Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

Testing Laboratory: ALS Environmental

Water

Alkalinity	Test Method: ED037-P	Total
Total Alkalinity (CaCO ₃)		45 mg/L

Phosphate	Test Method: EK067G	Total
Total Phosphate (PO ₄)		0.50 mg/L

Physical	Test Method	Total
Conductivity at 25°C	EA010-P	263 µS/cm
pH @ 25°C	EA005-P	5.14 pH Units

Demand	Test Method	Total
BOD (5-Day)	EP030	179 mg/L
Chemical Oxygen Demand (O ₂)	EP026ST	390 mg/L

Other Analytes	Test Method	Total
Free Carbon Dioxide	EA165-P	652 mg/L
Ethanol	EP117	99.7 mg/L
Nitrogen (N)	EK062G	0.8 mg/L

Testing services provided by: ALS Environmental. NATA accreditation number 825. Refer attached document for ALS Environmental NATA accredited report.



Authorised by Mohammad Sjam
Chemist

Customer Analytical Services

Gate 5 / 3 Anderson Street Botany NSW2019

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NALCO

An Ecolab Company

Final - Report Number: 1353870

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 **Ship To:** 0150199259

Representative: NATHAN EDWARD PETERSEN

Sample Number

AW049261

Date Sampled

30-Jan-2015

Date Received

31-Jan-2015

Date Completed

10-Feb-2015

Date Authorised

11-Feb-2015

Analytical Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

Water

Alkalinity	Test Method: *CA12121 (CA11113)	Total
Total Alkalinity (CaCO ₃)		29 mg/L
Phenolphthalein Alkalinity (CaCO ₃)		<25 mg/L
Bicarbonate (CaCO ₃)		29 mg/L

Phosphate	Test Method: *CA13200	Total
Total Phosphate (PO ₄)		<0.1 mg/L

Physical	Test Method	Total
Conductivity at 25°C	*CA11116	190 µS/cm
pH @ 25°C	*A-4.4	4.9 pH Units

Demand	Test Method: *External	Total
BOD (5-Day)		19 mg/L
Chemical Oxygen Demand (O ₂)		37 mg/L

Other Analytes	Test Method	Total
Free Carbon Dioxide (calculated)	CA11147	730 mg/L
Ethanol	*External	9.46 mg/L

Other	Test Method: CA13204	Total
Nitrogen (N)		<1.3 mg/L

External Analysis Performed By: Australian Laboratory Services. NATA Accreditation no. 825. Report Number: ES1502251. Report Date: 9-Feb-2015

Ethanol

Biological Oxygen Demand (BOD)

COD

* The indicated analyses are included in the NATA scope of accreditation.



Accreditation Number 1099

Accredited for compliance with ISO/IEC 17025.

Authorised by Thanh Hoang Le
Senior Chemist

Customer Analytical Services

Gate 5 / 3 Anderson Street Botany NSW 2019

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Final - Report Number: 1202564

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 **Ship To:** 0150199259

Representative: Nathan Edward Petersen

Sample Number

AW043791

Date Sampled

10-Jul-2014

Date Received

12-Jul-2014

Date Completed

24-Jul-2014

Date Authorised

25-Jul-2014

Analytical Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

Water

Alkalinity	Test Method: *CA12121	Total
Total Alkalinity (CaCO ₃)		33 mg/L
Phenolphthalein Alkalinity (CaCO ₃)		<25 mg/L
Bicarbonate (CaCO ₃)		33 mg/L

Phosphate	Test Method: *CA13200	Total
Total Phosphate (PO ₄)		<0.1 mg/L

Physical	Test Method: *CA12121	Total
Conductivity at 25°C		210 µS/cm
pH @ 25°C		5.0 pH Units

Demand	Test Method: *External	Total
BOD (5-Day)		50 mg/L
Chemical Oxygen Demand (O ₂)		120 mg/L

Other Analytes	Test Method	Total
Free Carbon Dioxide (calculated)	CA11147	660 mg/L
Ethanol	External	21.100 mg/L

Other	Test Method: *CA13204	Total
Nitrogen (N)		<1.0 mg/L

External Analysis Performed By: Australian Laboratory Services. NATA Accreditation no. 825. Report Number: ES1415392. Report Date: 21-Jul-2014

Ethanol

Biological Oxygen Demand (BOD)

COD

* The indicated analyses are included in the NATA scope of accreditation.



Accreditation Number 1099

Accredited for compliance with ISO/IEC 17025.

L. B. M.

Authorized by Lynette M Bissell
Chemist

Final - Report Number: 1070584

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 **Ship To:** 0150199259

Representative: Thorsten Kaschubs

Sample Number

AW038367

Date Sampled

21-Jan-2014

Date Received

22-Jan-2014

Date Completed

5-Feb-2014

Date Authorised

5-Feb-2014

Analytical Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

Water

Alkalinity Test Method: *CA12121

Total

Total Alkalinity (CaCO₃)

46 mg/L

Phosphate Test Method: *CA13200

Total

Total Phosphate (PO₄)

0.1 mg/L

Physical Test Method: *CA12121

Total

Conductivity at 25°C

210 µS/cm

pH @ 25°C

5.7 pH Units

Demand Test Method: *External

Total

BOD (5-Day)

10 mg/L

Chemical Oxygen Demand (O₂)

26 mg/L

Other Analytes Test Method: External

Total

Ethanol

6.91 mg/L

Other Test Method: *CA13204

Total

Nitrogen (N)

<1.0 mg/L

•Free Carbon Dioxide as CO₂ = 248 mg/L. External Analysis Performed by: ALS. NATA Accreditation Number 825. Report Number ES 1401610. Report Date: 04/02/2014.

* The indicated analyses are included in the NATA scope of accreditation.



Accreditation Number 1099 Site Number 1092
Accredited for compliance with ISO/IEC 17025.

Authorized by Thanh Hoang Le
Senior Chemist

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Final - Report Number: 1070584

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 **Ship To:** 0150199259

Representative: Thorsten Kaschubs

Sample Number

AW038367

Date Sampled

21-Jan-2014

Date Received

22-Jan-2014

Date Completed

5-Feb-2014

Date Authorised

5-Feb-2014

Analytical Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

External Analysis Performed By: Australian Laboratory Services. NATA Accreditation no. 825. Report Number: ES1401317. Report Date: 30-Jan-2014

COD

Biological Oxygen Demand (BOD)

External Analysis Performed By: Australian Laboratory Services. NATA Accreditation no. 825. Report Number: ES1401610. Report Date: 4-Feb-2014

Ethanol

* The indicated analyses are included in the NATA scope of accreditation.



Accreditation Number 1099 Site Number 1092
Accredited for compliance with ISO/IEC 17025.

Authorized by Thanh Hoang Le
Senior Chemist

Customer Analytical Services

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Final - Report Number: 923876

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 **Ship To:** 0150199259

Representative: Thorsten Kaschubs

Sample Number

AW032034

Date Sampled

1-Jul-2013

Date Received

2-Jul-2013

Date Completed

16-Jul-2013

Date Authorised

17-Jul-2013

Analytical Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

Water

Alkalinity	Test Method: *CA12121	Total
Total Alkalinity (CaCO ₃)		39 mg/L
Phenolphthalein Alkalinity (CaCO ₃)		<25 mg/L

Phosphate	Test Method: *CA13200	Total
Total Phosphate (PO ₄)		0.1 mg/L

Physical	Test Method: *CA12121	Total
Conductivity at 25°C		260 µS/cm
pH @ 25°C		5.0 pH Units

Demand	Test Method: *External	Total
BOD (5-Day)		52 mg/L
Chemical Oxygen Demand (O ₂)		103 mg/L

Other Analytes	Test Method	Total
Ethanol	External	12.7 mg/L
Nitrogen (N)	*CA13204	<1.0 mg/L

- Free Carbon Dioxide analysis performed by ALS. NATA Accreditation Number: 825. Report number: ES1314994. Report Date: 09/07/2013
- Free Carbon Dioxide as CO₂ = 284 mg/L

External Analysis Performed By: Australian Laboratory Services. NATA Accreditation no. 825. Report Number: ES1314994. Report Date: 11-Jul-2013

Ethanol

Biological Oxygen Demand (BOD)

COD

* The indicated analyses are included in the NATA scope of accreditation.



Accreditation Number 1099 Site Number 1092
Accredited for compliance with ISO/IEC 17025.

Authorized by Antigoni Cinelli
Senior Chemist

Additional - Report Number: 790670

Replaces previous report number: 664766 23-Jul-2012 23:33

BOC GASES BOMBADERRY

BOLONG ROAD

BOMADERRY NSW 2541 AUSTRALIA

Sold To: 0150199259 Ship To: 0150199259

Representative: Mr Kaschubs Thorsten

Sample Number	AW017447
Date Sampled	28-Jun-2012
Date Received	29-Jun-2012
Date Completed	9-Jan-2013
Date Authorised	9-Jan-2013

Analytical Report

This sample was analysed as received, the results being as follows:

Sampling point: BOC Bomaderry-EPA Licence point

Water

Alkalinity Test Method: *CA11113	Total
Total Alkalinity (CaCO ₃)	140 mg/L
Phenolphthalein Alkalinity (CaCO ₃)	<20 mg/L

Phosphate Test Method: *CA13200	Total
Total Phosphate (PO ₄)	6.3 mg/L

Physical Test Method: *A-6.18	Total
pH @ 25°C	5.5 pH

Demand Test Method: *External	Total
BOD (5-Day)	158 mg/L
Chemical Oxygen Demand (O ₂)	541 mg/L

Other Analytes	Test Method	Total
Ethanol	External	112 mg/L
Nitrogen (N)	*CA13204	7.3 mg/L

•Free Carbon Dioxide as CO₂ = 231 mg/L

External Analysis Performed By: Australian Laboratory Services. NATA Accreditation no. 825. Report Number: ES01216206. Report Date: 1-Jul-2012
Ethanol

External Analysis Performed By: Australian Laboratory Services. NATA Accreditation no. 825. Report Number: ES1216206. Report Date: 9-Jul-2012
Biological Oxygen Demand (BOD) COD

* The indicated analyses are included in the NATA scope of accreditation.



Accreditation Number 1099 Site Number 1092
Accredited for compliance with ISO/IEC 17025.



Authorized by Samantha Fraser
Analytical Laboratory Supervisor

Date Authorised

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