Sample Identification		Aquatic Ecosystem Guideline <sup>A</sup>	SW1	SW2
Rainfall (mm) in preceding 24hours <sup>B</sup>	PQL		1.2	1.2
Time of Sample Collection	95% Fresh		13:30	No water flow
Date of Sample Collection			9/01/2024	
	Sam	ple Description	Clear sample, no odour, very clear	
Laborat	ory Re	eport Reference	ES2400503	
	S	ample Purpose	EPL Co	mpliance
	Sam	ple collected by	Т	oll
Ammonia as N	0.01	0.9	1.3	
Nitrate <sup>C</sup>	0.01	0.04	5.07	
Oil and Grease	5		9	
Total Suspended Solds	5		14	

All results are in units of mg/L

Blank Cell indicates no criterion available

PQL = Practical Quantitation Limit.

<sup>A</sup> % Protection Level for Receiving Water Type.

<sup>B</sup> Based on BOM Williamtown data from 9am 8th January to 9am 9th January

0.4mm of rainfall was recorded from 9am 9th January to 9am 10th January at BOM Williamtown

<sup>C</sup> Guidelines for Lowland (Coastal) Rivers in NSW

Results shown in **BOLD** are in excess of the guidelines









Toll Group Discharge Monitoring Toll Tomago Site RCA ref:12513e-205/0, January 2024 Prepared by: AH Checked by: FB



#### **CERTIFICATE OF ANALYSIS** Page Work Order : ES2400503 : 1 of 2 Client : ROBERT CARR & ASSOCIATES P/L Laboratory : Environmental Division Sydney Contact ENVIRO Contact : Customer Services ES Address Address : 277-289 Woodpark Road Smithfield NSW Australia 2164 : PO BOX 175 CARRINGTON NSW, AUSTRALIA 2294 Telephone : -----Telephone : +61-2-8784 8555 Project : 12513e **Date Samples Received** : 10-Jan-2024 10:15 Order number Date Analysis Commenced : -----: 11-Jan-2024 C-O-C number Issue Date : -----: 17-Jan-2024 13:18 Sampler : Client Site : -----Quote number : SYBQ/400/21 "Julula Accreditation No. 825 No. of samples received : 1 Accredited for compliance with

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

ISO/IEC 17025 - Testing

This Certificate of Analysis contains the following information:

: 1

- General Comments
- Analytical Results

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

#### Signatories

No. of samples analysed

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category
Ankit Joshi	Senior Chemist - Inorganics	Sydney Inorganics, Smithfield, NSW



### **General Comments**

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key: CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

## **Analytical Results**

Sub-Matrix: WATER (Matrix: WATER)			Sample ID	SW1	 	 
		Sampli	ng date / time	09-Jan-2024 13:30	 	 
Compound	CAS Number	LOR	Unit	ES2400503-001	 	 
				Result	 	 
EA025: Total Suspended Solids dr	ied at 104 ± 2°C					
Suspended Solids (SS)		5	mg/L	14	 	 
EK055G: Ammonia as N by Discret	te Analyser					
Ammonia as N	7664-41-7	0.01	mg/L	1.30	 	 
EK057G: Nitrite as N by Discrete A	Analyser					
Nitrite as N	14797-65-0	0.01	mg/L	0.07	 	 
EK058G: Nitrate as N by Discrete	Analyser					
Nitrate as N	14797-55-8	0.01	mg/L	5.07	 	 
EK059G: Nitrite plus Nitrate as N (	NOx) by Discrete Ana	lyser				
Nitrite + Nitrate as N		0.01	mg/L	5.14	 	 
EP020: Oil and Grease (O&G)						
Oil & Grease		5	mg/L	9	 	 



# QUALITY CONTROL REPORT

Work Order	: ES2400503	Page	: 1 of 3	
Client	: ROBERT CARR & ASSOCIATES P/L	Laboratory	: Environmental Division Sydney	
Contact	: ENVIRO	Contact	: Customer Services ES	
Address	: PO BOX 175 CARRINGTON NSW, AUSTRALIA 2294	Address	: 277-289 Woodpark Road Smithfield NSW Australia 2164	
Telephone	:	Telephone	: +61-2-8784 8555	
Project	: 12513e	Date Samples Received	: 10-Jan-2024	
Order number	:	Date Analysis Commenced	: 11-Jan-2024	$\boldsymbol{\wedge}$
C-O-C number	:	Issue Date	: 17-Jan-2024	ATA
Sampler	: Client		Hac-MRA N	ATA
Site	:			
Quote number	: SYBQ/400/21		Accreditat	ation No. 825
No. of samples received	: 1		Accredited for compl	pliance with
No. of samples analysed	:1		ISO/IEC 1702	25 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percentage Difference (RPD) and Acceptance Limits
- Method Blank (MB) and Laboratory Control Spike (LCS) Report; Recovery and Acceptance Limits
- Matrix Spike (MS) Report; Recovery and Acceptance Limits

### Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

Signatories	Position	Accreditation Category	
Signatories	Position		

Ankit Joshi

Senior Chemist - Inorganics

Sydney Inorganics, Smithfield, NSW



#### **General Comments**

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis. Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Key: Anonymous = Refers to samples which are not specifically part of this work order but formed part of the QC process lot

CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

RPD = Relative Percentage Difference

# = Indicates failed QC

### Laboratory Duplicate (DUP) Report

The quality control term Laboratory Duplicate refers to a randomly selected intralaboratory split. Laboratory duplicates provide information regarding method precision and sample heterogeneity. The permitted ranges for the Relative Percent Deviation (RPD) of Laboratory Duplicates are specified in ALS Method QWI-EN/38 and are dependent on the magnitude of results in comparison to the level of reporting: Result < 10 times LOR: No Limit; Result between 10 and 20 times LOR: 0% - 50%; Result > 20 times LOR: 0% - 20%.

Sub-Matrix: WATER						Laboratory L	Duplicate (DUP) Report		
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA025: Total Suspe	nded Solids dried at 104 ± 2	°C (QC Lot: 5541902)							
ES2400503-001	SW1	EA025H: Suspended Solids (SS)		5	mg/L	14	18	18.8	No Limit
ES2400818-003	Anonymous	EA025H: Suspended Solids (SS)		5	mg/L	<5	<5	0.0	No Limit
ES2400839-002	Anonymous	EA025H: Suspended Solids (SS)		5	mg/L	5	5	0.0	No Limit
ES2400929-002	Anonymous	EA025H: Suspended Solids (SS)		5	mg/L	274	256	7.0	0% - 20%
EK055G: Ammonia	as N by Discrete Analyser(	QC Lot: 5536098)							
ES2344853-001	Anonymous	EK055G: Ammonia as N	7664-41-7	0.01	mg/L	0.73	0.73	0.0	0% - 20%
EK057G: Nitrite as	N by Discrete Analyser (QC	Lot: 5536004)							
ES2400503-001	SW1	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	0.07	0.07	0.0	No Limit
ES2400677-003	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EK059G: Nitrite plu	s Nitrate as N (NOx) by Dise	crete Analyser (QC Lot: 5536099)							
ES2400503-001	SW1	EK059G: Nitrite + Nitrate as N		0.01	mg/L	5.14	5.12	0.3	0% - 20%
ES2400562-007	Anonymous	EK059G: Nitrite + Nitrate as N		0.01	mg/L	<0.01	<0.01	0.0	No Limit



## Method Blank (MB) and Laboratory Control Sample (LCS) Report

The quality control term Method / Laboratory Blank refers to an analyte free matrix to which all reagents are added in the same volumes or proportions as used in standard sample preparation. The purpose of this QC parameter is to monitor potential laboratory contamination. The quality control term Laboratory Control Sample (LCS) refers to a certified reference material, or a known interference free matrix spiked with target analytes. The purpose of this QC parameter is to monitor method precision and accuracy independent of sample matrix. Dynamic Recovery Limits are based on statistical evaluation of processed LCS.

Sub-Matrix: WATER				Method Blank (MB)		Laboratory Control Spike (LC	S) Report	
				Report	Spike	Spike Recovery (%)	Acceptable	e Limits (%)
Method: Compound	CAS Number	LOR	Unit	Result	Concentration	LCS	Low	High
EA025: Total Suspended Solids dried at 104 ±	2°C (QCLot: 5541902)							
EA025H: Suspended Solids (SS)		5	mg/L	<5	150 mg/L	95.7	83.0	129
				<5	1000 mg/L	94.6	82.0	110
				<5	841 mg/L	101	83.0	118
EK055G: Ammonia as N by Discrete Analyser	(QCLot: 5536098)				·			
EK055G: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	1 mg/L	101	90.0	114
EK057G: Nitrite as N by Discrete Analyser (Q	CLot: 5536004)							
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	101	82.0	114
EK059G: Nitrite plus Nitrate as N (NOx) by Di	iscrete Analyser (QCLot: 553	6099)						
EK059G: Nitrite + Nitrate as N		0.01	mg/L	<0.01	0.5 mg/L	95.2	91.0	113
EP020: Oil and Grease (O&G) (QCLot: 554190	5)							
EP020: Oil & Grease		5	mg/L	<5	5000 mg/L	97.1	81.0	121
				<5	4000 mg/L	101	70.0	110

## Matrix Spike (MS) Report

The quality control term Matrix Spike (MS) refers to an intralaboratory split sample spiked with a representative set of target analytes. The purpose of this QC parameter is to monitor potential matrix effects on analyte recoveries. Static Recovery Limits as per laboratory Data Quality Objectives (DQOs). Ideal recovery ranges stated may be waived in the event of sample matrix interference.

Sub-Matrix: WATER				Ма	trix Spike (MS) Repor	t	
				Spike	SpikeRecovery(%)	Acceptable I	Limits (%)
Laboratory sample ID	Sample ID	Method: Compound CA	AS Number	Concentration	MS	Low	High
EK055G: Ammonia	as N by Discrete Analyser (QCLot: 5536098)						
ES2344853-001	Anonymous	EK055G: Ammonia as N 766	64-41-7	1 mg/L	89.6	70.0	130
EK057G: Nitrite as	N by Discrete Analyser (QCLot: 5536004)						
ES2400503-001	SW1	EK057G: Nitrite as N 147	797-65-0	0.5 mg/L	108	70.0	130
EK059G: Nitrite pl	us Nitrate as N (NOx) by Discrete Analyser (QCLot: 553	6099)					
ES2400503-001	SW1	EK059G: Nitrite + Nitrate as N	-	0.5 mg/L	# Not	70.0	130
					Determined		



	QA/QC Compliance As	ssessment to assist witl	h Quality Review	
Work Order	ES2400503	Page	: 1 of 4	
Client	: ROBERT CARR & ASSOCIATES P/L	Laboratory	: Environmental Division Sydney	
Contact	: ENVIRO	Telephone	: +61-2-8784 8555	
Project	: 12513e	Date Samples Received	: 10-Jan-2024	
Site	:	Issue Date	: 17-Jan-2024	
Sampler	: Client	No. of samples received	: 1	
Order number	:	No. of samples analysed	: 1	

This report is automatically generated by the ALS LIMS through interpretation of the ALS Quality Control Report and several Quality Assurance parameters measured by ALS. This automated reporting highlights any non-conformances, facilitates faster and more accurate data validation and is designed to assist internal expert and external Auditor review. Many components of this report contribute to the overall DQO assessment and reporting for guideline compliance.

Brief method summaries and references are also provided to assist in traceability.

## **Summary of Outliers**

## **Outliers : Quality Control Samples**

This report highlights outliers flagged in the Quality Control (QC) Report.

- NO Method Blank value outliers occur.
- <u>NO</u> Duplicate outliers occur.
- <u>NO</u> Laboratory Control outliers occur.
- Matrix Spike outliers exist please see following pages for full details.
- For all regular sample matrices, <u>NO</u> surrogate recovery outliers occur.

## **Outliers : Analysis Holding Time Compliance**

• <u>NO</u> Analysis Holding Time Outliers exist.

## **Outliers : Frequency of Quality Control Samples**

• <u>NO</u> Quality Control Sample Frequency Outliers exist.



#### **Outliers : Quality Control Samples**

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

#### Matrix: WATER

Compound Group Name	Laboratory Sample ID	Client Sample ID	Analyte	CAS Number	Data	Limits	Comment
Matrix Spike (MS) Recoveries							
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete A	r ES2400503001	SW1	Nitrite + Nitrate as N		Not		MS recovery not determined,
					Determined		background level greater than or
							equal to 4x spike level.

## Analysis Holding Time Compliance

If samples are identified below as having been analysed or extracted outside of recommended holding times, this should be taken into consideration when interpreting results.

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times (referencing USEPA SW 846, APHA, AS and NEPM) based on the sample container provided. Dates reported represent first date of extraction or analysis and preclude subsequent dilutions and reruns. A listing of breaches (if any) is provided herein.

Holding time for leachate methods (e.g. TCLP) vary according to the analytes reported. Assessment compares the leach date with the shortest analyte holding time for the equivalent soil method. These are: organics 14 days, mercury 28 days & other metals 180 days. A recorded breach does not guarantee a breach for all non-volatile parameters.

Holding times for VOC in soils vary according to analytes of interest. Vinyl Chloride and Styrene holding time is 7 days; others 14 days. A recorded breach does not guarantee a breach for all VOC analytes and should be verified in case the reported breach is a false positive or Vinyl Chloride and Styrene are not key analytes of interest/concern.

Evaluation: <b>*</b> = Holding time breach ; <b>*</b> = Within	n holdina ti	ime.
--	--------------	------

Matrix: WATER				Evaluation	: × = Holding time	breach ; ✓ = Withi	n holding time.
Method	Sample Date	E	traction / Preparation			Analysis	
Container / Client Sample ID(s)		Date extracted	Due for extraction	Evaluation	Date analysed	Due for analysis	Evaluation
EA025: Total Suspended Solids dried at 104 ± 2°C							
Clear Plastic Bottle - Natural (EA025H) SW1	09-Jan-2024				15-Jan-2024	16-Jan-2024	~
EK055G: Ammonia as N by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK055G) SW1	09-Jan-2024				11-Jan-2024	06-Feb-2024	<b>√</b>
EK057G: Nitrite as N by Discrete Analyser							
Clear Plastic Bottle - Natural (EK057G) SW1	09-Jan-2024				11-Jan-2024	11-Jan-2024	~
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK059G) SW1	09-Jan-2024				11-Jan-2024	06-Feb-2024	~
EP020: Oil and Grease (O&G)							
Amber Jar - Sulfuric Acid or Sodium Bisulfate (EP020) SW1	09-Jan-2024				16-Jan-2024	06-Feb-2024	✓



# **Quality Control Parameter Frequency Compliance**

The following report summarises the frequency of laboratory QC samples analysed within the analytical lot(s) in which the submitted sample(s) was(were) processed. Actual rate should be greater than or equal to the expected rate. A listing of breaches is provided in the Summary of Outliers.

Matrix: WATER		Evaluation: × = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specification.							
Quality Control Sample Type		Count		Rate (%)			Quality Control Specification		
Analytical Methods	Method	QC	Reaular	Actual	Expected	Evaluation			
Laboratory Duplicates (DUP)									
Ammonia as N by Discrete analyser	EK055G	1	7	14.29	10.00	✓	NEPM 2013 B3 & ALS QC Standard		
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	2	17	11.76	10.00	✓	NEPM 2013 B3 & ALS QC Standard		
Nitrite as N by Discrete Analyser	EK057G	2	20	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard		
Suspended Solids (High Level)	EA025H	4	40	10.00	10.00	✓	NEPM 2013 B3 & ALS QC Standard		
Laboratory Control Samples (LCS)									
Ammonia as N by Discrete analyser	EK055G	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard		
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	17	5.88	5.00	1	NEPM 2013 B3 & ALS QC Standard		
Nitrite as N by Discrete Analyser	EK057G	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard		
Oil and Grease	EP020	4	50	8.00	8.00	✓	NEPM 2013 B3 & ALS QC Standard		
Suspended Solids (High Level)	EA025H	5	40	12.50	12.50	✓	NEPM 2013 B3 & ALS QC Standard		
Method Blanks (MB)									
Ammonia as N by Discrete analyser	EK055G	1	7	14.29	5.00	1	NEPM 2013 B3 & ALS QC Standard		
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	17	5.88	5.00	✓	NEPM 2013 B3 & ALS QC Standard		
Nitrite as N by Discrete Analyser	EK057G	1	20	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard		
Oil and Grease	EP020	3	50	6.00	6.00	✓	NEPM 2013 B3 & ALS QC Standard		
Suspended Solids (High Level)	EA025H	2	40	5.00	5.00	✓	NEPM 2013 B3 & ALS QC Standard		
Matrix Spikes (MS)									
Ammonia as N by Discrete analyser	EK055G	1	7	14.29	5.00	✓	NEPM 2013 B3 & ALS QC Standard		
Nitrite and Nitrate as N (NOx) by Discrete Analyser	EK059G	1	17	5.88	5.00	✓	NEPM 2013 B3 & ALS QC Standard		
Nitrite as N by Discrete Analyser	EK057G	1	20	5.00	5.00	1	NEPM 2013 B3 & ALS QC Standard		



## **Brief Method Summaries**

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the US EPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by client request. The following report provides brief descriptions of the analytical procedures employed for results reported in the Certificate of Analysis. Sources from which ALS methods have been developed are provided within the Method Descriptions.

Analytical Methods	Method	Matrix	Method Descriptions
Suspended Solids (High Level)	EA025H	WATER	In house: Referenced to APHA 2540D. A gravimetric procedure employed to determine the amount of
			`non-filterable` residue in a aqueous sample. The prescribed GFC (1.2um) filter is rinsed with deionised water,
			oven dried and weighed prior to analysis. A well-mixed sample is filtered through a glass fibre filter (1.2um).
			The residue on the filter paper is dried at 104+/-2C . This method is compliant with NEPM Schedule B(3)
Ammonia as N by Discrete analyser	EK055G	WATER	In house: Referenced to APHA 4500-NH3 G Ammonia is determined by direct colorimetry by Discrete Analyser.
			This method is compliant with NEPM Schedule B(3)
Nitrite as N by Discrete Analyser	EK057G	WATER	In house: Referenced to APHA 4500-NO2- B. Nitrite is determined by direct colourimetry by Discrete Analyser.
			This method is compliant with NEPM Schedule B(3)
Nitrate as N by Discrete Analyser	EK058G	WATER	In house: Referenced to APHA 4500-NO3- F. Nitrate is reduced to nitrite by way of a chemical reduction followed
			by quantification by Discrete Analyser. Nitrite is determined seperately by direct colourimetry and result for Nitrate
			calculated as the difference between the two results. This method is compliant with NEPM Schedule B(3)
Nitrite and Nitrate as N (NOx) by Discrete	EK059G	WATER	In house: Referenced to APHA 4500-NO3- F. Combined oxidised Nitrogen (NO2+NO3) is determined by
Analyser			Chemical Reduction and direct colourimetry by Discrete Analyser. This method is compliant with NEPM
			Schedule B(3)
Oil and Grease	EP020	WATER	In house: Referenced to APHA 5520 B. Oil & grease is a gravimetric procedure to determine the amount of
			dissolved or emulsified oil & grease residue in an aqueous sample. The sample is serially extracted three times
			n-hexane. The resultant extracts are combined, dehydrated and concentrated prior to gravimetric determination.
			This method is compliant with NEPM Schedule B(3)

Environ	(e	CHAIN OF CUSTODY ALS Laboratory please tick →	Ph: 08 8359 08 UBRISBANE 3: Ph: 07 3243 72; UGLADSTONE CADETONE	Burna read Pooraka SA SUSS Phr 07 06 E adetaidediadisplohal.com Phr 07 2 Shand Street Statford OLD 4053 OMEE 22 E samples brisbane@alsglobal.com Phr 03 46 Galtemondah Drive Clinion QLD 4580 OM/UDG		DIA-CKAY 78 Habrow Reed Mackay OLD 4740 Yr 07 -044 0177 E. mackry@alingbala.com MELBOURRE 2-WestaR Read Songrapate VIC 3171 Yr 03 659 9600 E. samples melbourne@aligobal.com MUDGEE 27 sylwer Read Mudges (HSW 2850 W 02 6372 0735 E. mudges.mel@aligobal.com				Di JEWCASTLE 5.565 Maitland Rd Mayfeld West NSW 23 Ph. 02.4014 2500 E. samplas newcastle@akglobal.com CHOWN 4415 Gaay Rev Noth Hovas 149V 2541 Ph. 024432 2038 E. novra@sigblabla.com CHERTH 10 Hod Way Malaga WA 6050 Ph. 168 2007 7655 E. samples perth@akglobal.com				2304 LISYDNEY 277-260 Weedpark Road Smithfeld NSW 2164 Ph 02 6744 8855 E: samples syndrey(blaglobal.com DTOWH5/VLEL 14-15 Dearso Could Bethic cit(2) 1818 Ph 07 4796 0000 E: formsitie environmental/galaglobal.com DXMCLLOHGCN4 G0 kenny Street Violangong ISW 2500 Ph 07 4275 375 E portkemitig/Bigs/bobi.com			
JENT:	RCA Australia			TURNAROUND REQUIREMENTS : Standard TAT (List due date				ate):	FOR LABORATOR					RATORY U	SE ONLY (Circle)		
FICE:	92 Hill Street, C	arrington		(Standard TAT Trace Organics	may be longer for some tests e.g., Ultra					Custody Seal Intact?					Yes No NA		
A Ref No:	12513e			ALS QUOTE		SYBQ_400_2	1	24		COC SEQU	JENCE N	UMBER (	Circle)	Free ice / froz	en ice bricks	present upon Yes No N/A	
									coc	1				Random Sam	ole Temperat	ure on Receipt:	
DJECT MANAG	ER: Fiona Brooke	r	CONTACT PH	1: 0408 687 5	29	_			OF:	1				Other comme	nt	6.8	
APLER: Client			SAMPLER M	OBILE: -		RELINQUISHED BY:			REC	EIVED BY:		. 10		ELINQUISHED I		RECEIVED BY:	
C emailed to Al	LS? (NO)	2	EDD FORMA	T (or default)						N 10.1.24 JN 10.1.2					4 VLockL		
ail Reports to:	administrator@rca.	com.au + enviro@	erca.com.au			DATE/TIME:				DATE/TIME: DATE/TIME:				DATE/TIME:			
ail Invoice to:	as above										08	,45			170	0 10/01/24/92	
MMENTS/SPEC	CIAL HANDLING/ST	TORAGE OR DISF	POSAL:	-													
ALS USE			LE DETAILS LID (S) WATER (W)		CONTAINER IN	FORMATION								st be listed to attra ) or Dissolved (fie			
LAB ID	Sam	ipie ID	Date / Time	Matrix	Type & Preservative (refer to codes below)		Total Containers	Ammonia	Nitrate	Total Suspended Solids	Oil and Grease					Comments on likely contaminant levels, dilutions, or samples requiring specific CC analysis etc.	
1	5	W1	09/01-13:30	w	Purple Glass, Purple Plastic, Gre	en Plastic	3	x	×	x	x	р 2011 г. 1					
estanti)	S	W2	NA	w	Purple Glass, Purple Plastic, Gre	en Plastic	3	x	x	x	x					Insufficient water to obtain sample.	
			E.		(i							8 () Fa			-		
						0			-								
		<i>z</i>							5-5- 			-					
															3 I.I. 194	Environmental Divis	
	2															Sydney Work Order Reference ES24005	
			Y			1											
All of the				and and		TOTAL	6	2	2	2	2						

Telephone : +61-2-8784 8555



#### **SAMPLE RECEIPT NOTIFICATION (SRN)** : ES2400503 Work Order Client : ROBERT CARR & ASSOCIATES P/L Laboratory : Environmental Division Sydney Contact : ENVIRO Contact : Customer Services ES Address : PO BOX 175 Address : 277-289 Woodpark Road Smithfield CARRINGTON NSW, AUSTRALIA 2294 NSW Australia 2164 E-mail E-mail : ALSEnviro.Sydney@ALSGlobal.com : enviro@rca.com.au Telephone Telephone : +61-2-8784 8555 : -----Facsimile Facsimile : +61-2-8784 8500 · \_\_\_\_ Project : 12513e Page · 1 of 2 Order number Quote number : ES2017ROBCAR0004 (SYBQ/400/21) · \_\_\_\_ C-O-C number QC Level : NEPM 2013 B3 & ALS QC Standard · \_\_\_\_ Site · \_\_\_\_ Sampler : Client Dates **Date Samples Received** : 10-Jan-2024 10:15 Issue Date : 11-Jan-2024 Scheduled Reporting Date : 17-Jan-2024 **Client Requested Due** 17-Jan-2024 Date **Deliverv** Details Mode of Delivery · Undefined Security Seal : Not Available No of coolers/boxes · 1 Temperature : 6.8'C

No. of samples received / analysed

: 1/1

## **General Comments**

**Receipt Detail** 

- This report contains the following information:
  - Sample Container(s)/Preservation Non-Compliances
  - Summary of Sample(s) and Requested Analysis
  - Proactive Holding Time Report
  - Requested Deliverables
- Sample "SW2" was not received; comment on COC stated "insufficent water to obtain sample".
- Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.
- Please direct any queries you have regarding this work order to the above ALS laboratory contact.
- Analytical work for this work order will be conducted at ALS Sydney.
- Sample Disposal Aqueous (3 weeks), Solid (2 months ± 1 week) from receipt of samples.
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.



## Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

### • No sample container / preservation non-compliance exists.

## Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.

If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

#### Matrix: WATER

Laboratory sample	Sampling date / time	Sample ID	WATER - E Suspended	WATER - E Ammonia a	WATER - E Nitrate as N	WATER - E Oil & Greas
ES2400503-001	09-Jan-2024 13:30	SW1	1	1	✓	1

## Proactive Holding Time Report

Sample(s) have been received within the recommended holding times for the requested analysis.

## **Requested Deliverables**

### ADMINISTRATOR

<ul> <li>*AU Certificate of Analysis - NATA (COA)</li> </ul>	Email	administrator@rca.com.au
<ul> <li>*AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)</li> </ul>	Email	administrator@rca.com.au
<ul> <li>*AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)</li> </ul>	Email	administrator@rca.com.au
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	administrator@rca.com.au
- A4 - AU Tax Invoice (INV)	Email	administrator@rca.com.au
- Chain of Custody (CoC) (COC)	Email	administrator@rca.com.au
- EDI Format - ENMRG (ENMRG)	Email	administrator@rca.com.au
- EDI Format - ESDAT (ESDAT)	Email	administrator@rca.com.au
ALL INVOICES		
- A4 - AU Tax Invoice (INV)	Email	administrator@rca.com.au
ENVIRO		
<ul> <li>*AU Certificate of Analysis - NATA (COA)</li> </ul>	Email	enviro@rca.com.au
<ul> <li>*AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)</li> </ul>	Email	enviro@rca.com.au
<ul> <li>*AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC)</li> </ul>	Email	enviro@rca.com.au
- A4 - AU Sample Receipt Notification - Environmental HT (SRN)	Email	enviro@rca.com.au
- A4 - AU Tax Invoice (INV)	Email	enviro@rca.com.au
<ul> <li>Chain of Custody (CoC) (COC)</li> </ul>	Email	enviro@rca.com.au
- EDI Format - ENMRG (ENMRG)	Email	enviro@rca.com.au
- EDI Format - ESDAT (ESDAT)	Email	enviro@rca.com.au

s N By Discrete Analyser

K055G

by Discrete Analyser

K058G

P020 e (O&G)

Solids - Standard Level

A025H