Surface Water Results Summary: 20 July 2023 - 19 July 2024 Ecological Comparison

Sample Identification		Aquatic Ecosystem Guideline ^A	SW1	SW2		
Rainfall (mm) in preceding 24hours ^B	PQL		13	.2		
Time of Sample Collection		95% Fresh	9:05:00 AM	9:15:00 AM		
Date of Sample Collection			20/12	2/2023		
	Clear, nil odour, minimal debris debris debris					
Labora	tory Re	eport Reference	ES2344202			
	S	Sample Purpose	EPL Compliance			
	Sam	ple collected by	Тс	bll		
Ammonia as N	0.01	0.9	5.6	564		
Nitrate ^C	0.01	0.04	14.2	1440		
Oil and Grease	5		<5			
Total Suspended Solds	5		56	492		

All results are in units of mg/L

Blank Cell indicates no criterion available

PQL = Practical Quantitation Limit.

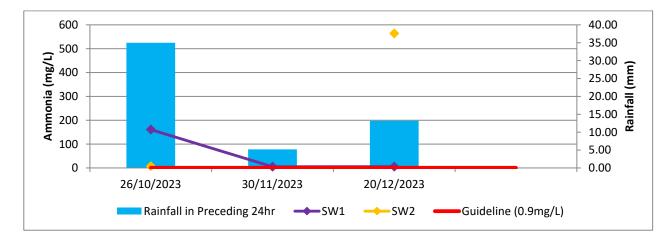
^A % Protection Level for Receiving Water Type.

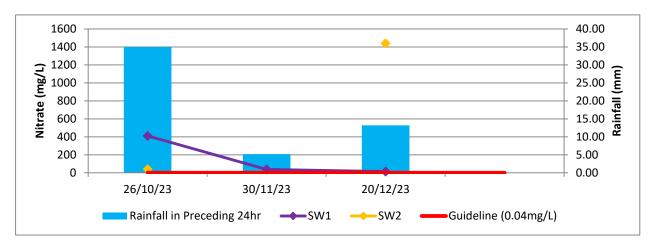
^B Based on BOM Williamtown data from 9am 19th December to 9am 20th December

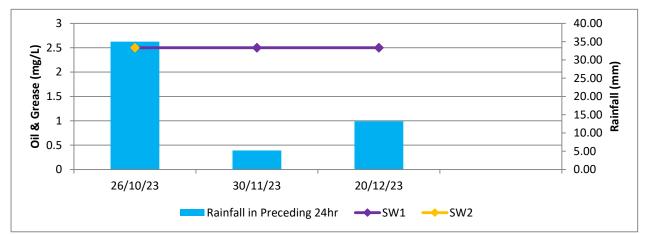
^C Guidelines for Lowland (Coastal) Rivers in NSW

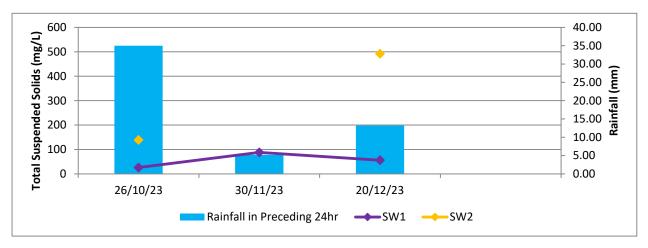
Results shown in $\ensuremath{\textbf{BOLD}}$ are in excess of the guidelines

Prepared by: FB









Toll Group Discharge Monitoring Toll Tomago Site RCA ref:12513e-204/0, January 2024



CERTIFICATE OF ANALYSIS Work Order Page : ES2344202 : 1 of 2 Client : ROBERT CARR & ASSOCIATES P/L Laboratory : Environmental Division Sydney Contact : MS FIONA BROOKER Contact : Customer Services ES Address Address : 277-289 Woodpark Road Smithfield NSW Australia 2164 : 92 HILL STREET CARRINGTON NSW 2294 Telephone : +61 02 4902 9200 Telephone : +61-2-8784 8555 Project : 12513e **Date Samples Received** : 20-Dec-2023 11:10 Order number Date Analysis Commenced : -----: 22-Dec-2023 C-O-C number Issue Date : -----: 02-Jan-2024 23:18 Sampler : Client Site : -----Quote number : SYBQ/400/21 "hilahow

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.

Accreditation No. 825

Accredited for compliance with ISO/IEC 17025 - Testing

This Certificate of Analysis contains the following information:

: 2

: 2

- 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 received

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	SW2	 		
		Sampli	ng date / time	20-Dec-2023 09:05	20-Dec-2023 09:15	 	
Compound	CAS Number	LOR	Unit	ES2344202-001	ES2344202-002	 	
				Result	Result	 	
EA025: Total Suspended Solids dr	ied at 104 ± 2°C						
Suspended Solids (SS)		5	mg/L	56	492	 	
EK055G: Ammonia as N by Discre	te Analyser						
Ammonia as N	7664-41-7	0.01	mg/L	5.60	564	 	
EK057G: Nitrite as N by Discrete	Analyser						
Nitrite as N	14797-65-0	0.01	mg/L	0.15	1.00	 	
EK058G: Nitrate as N by Discrete	Analyser						
Nitrate as N	14797-55-8	0.01	mg/L	14.2	1440	 	
EK059G: Nitrite plus Nitrate as N	NOx) by Discrete Ana	lyser					
Nitrite + Nitrate as N		0.01	mg/L	14.3	1440	 	
EP020: Oil and Grease (O&G)							
Oil & Grease		5	mg/L	<5		 	



QUALITY CONTROL REPORT

Work Order	: ES2344202	Page	: 1 of 3	
Client	: ROBERT CARR & ASSOCIATES P/L	Laboratory	: Environmental Division S	Sydney
Contact	: MS FIONA BROOKER	Contact	: Customer Services ES	
Address	: 92 HILL STREET CARRINGTON NSW 2294	Address	: 277-289 Woodpark Road	d Smithfield NSW Australia 2164
Telephone	: +61 02 4902 9200	Telephone	: +61-2-8784 8555	
Project	: 12513e	Date Samples Received	: 20-Dec-2023	
Order number	:	Date Analysis Commenced	: 22-Dec-2023	
C-O-C number	:	Issue Date	: 02-Jan-2024	
Sampler	: Client			Hac-MRA NATA
Site	:			
Quote number	: SYBQ/400/21			Accreditation No. 825
No. of samples received	: 2			Accredited for compliance with
No. of samples analysed	: 2			ISO/IEC 17025 - 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
Auglett landet	Quality Observices Incompanies	

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

* = The final LOR has been raised due to dilution or other sample specific cause; adjusted LOR is shown in brackets. The duplicate ranges for Acceptable RPD% are applied to the final LOR where applicable.

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	bub-Matrix: WATER			Laboratory Duplicate (DUP) Report					
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	Acceptable RPD (%)
EA025: Total Susper	ded Solids dried at 104 ± 2°	C (QC Lot: 5516121)							
ES2344202-001	SW1	EA025H: Suspended Solids (SS)		5	mg/L	56	42	28.9	0% - 50%
ES2344410-002	Anonymous	EA025H: Suspended Solids (SS)		5	mg/L	13	9	35.6	No Limit
ES2344426-001	Anonymous	EA025H: Suspended Solids (SS)		5	mg/L	<5	8	46.2	No Limit
ES2344542-001	Anonymous	EA025H: Suspended Solids (SS)		5	mg/L	14	16	11.4	No Limit
EK055G: Ammonia a	s N by Discrete Analyser (Q	C Lot: 5517206)							
ES2344168-002	Anonymous	EK055G: Ammonia as N	7664-41-7	0.01	mg/L	2.26	2.24	0.7	0% - 20%
ES2344615-002	Anonymous	EK055G: Ammonia as N	7664-41-7	0.01	mg/L	42.6	43.2	1.4	0% - 20%
EK057G: Nitrite as N	by Discrete Analyser (QC I	₋ot: 5511271)							
ES2344397-002	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01 (2.00)*	mg/L	<2.00	<2.00	0.0	No Limit
ES2344247-001	Anonymous	EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	<0.01	0.0	No Limit
EK059G: Nitrite plus	Nitrate as N (NOx) by Discr	rete Analyser (QC Lot: 5517205)							
ES2344351-004	Anonymous	EK059G: Nitrite + Nitrate as N		0.01	mg/L	0.13	0.14	0.0	0% - 50%
ES2343821-001	Anonymous	EK059G: Nitrite + Nitrate as N		0.01	mg/L	0.04	0.05	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	
				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: 5516121)								
EA025H: Suspended Solids (SS)		5	mg/L	<5	150 mg/L	100	83.0	129	
				<5	1000 mg/L	100	82.0	110	
				<5	841 mg/L	99.2	83.0	118	
EK055G: Ammonia as N by Discrete Analyser	(QCLot: 5517206)				• •		-		
EK055G: Ammonia as N	7664-41-7	0.01	mg/L	<0.01	1 mg/L	104	90.0	114	
EK057G: Nitrite as N by Discrete Analyser (Q0	CLot: 5511271)								
EK057G: Nitrite as N	14797-65-0	0.01	mg/L	<0.01	0.5 mg/L	100	82.0	114	
EK059G: Nitrite plus Nitrate as N (NOx) by Dis	screte Analyser (QCLot: 551	7205)							
EK059G: Nitrite + Nitrate as N		0.01	mg/L	<0.01	0.5 mg/L	102	91.0	113	
EP020: Oil and Grease (O&G) (QCLot: 5519243	3)								
EP020: Oil & Grease		5	mg/L	<5	5000 mg/L	99.4	81.0	121	
				<5	4000 mg/L	99.8	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	ub-Matrix: WATER			Matrix Spike (MS) Report				
				Spike	SpikeRecovery(%)	Acceptable	Limits (%)	
Laboratory sample ID	Sample ID	Method: Compound	CAS Number	Concentration	MS	Low	High	
EK055G: Ammonia	as N by Discrete Analyser (QCLot: 5517206)							
ES2344168-002	Anonymous	EK055G: Ammonia as N	7664-41-7	1 mg/L	100	70.0	130	
EK057G: Nitrite as	N by Discrete Analyser (QCLot: 5511271)							
ES2344247-001	Anonymous	EK057G: Nitrite as N	14797-65-0	0.5 mg/L	74.7	70.0	130	
EK059G: Nitrite pl	EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser (QCLot: 5517205)							
ES2343821-001	Anonymous	EK059G: Nitrite + Nitrate as N		0.5 mg/L	117	70.0	130	



	QA/QC Compliance Assessment to assist with Quality Review							
Work Order	: ES2344202	Page	: 1 of 4					
Client	: ROBERT CARR & ASSOCIATES P/L	Laboratory	: Environmental Division Sydney					
Contact	: MS FIONA BROOKER	Telephone	: +61-2-8784 8555					
Project	: 12513e	Date Samples Received	: 20-Dec-2023					
Site		Issue Date	: 02-Jan-2024					
Sampler	: Client	No. of samples received	: 2					
Order number	:	No. of samples analysed	: 2					

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.

- <u>NO</u> Method Blank value outliers occur.
- <u>NO</u> Duplicate outliers occur.
- <u>NO</u> Laboratory Control outliers occur.
- <u>NO</u> Matrix Spike outliers occur.
- For all regular sample matrices, <u>NO</u> surrogate recovery outliers occur.

Outliers : Analysis Holding Time Compliance

• NO Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

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



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.

Evoluction		time breech :		holding time
Evaluation:	🗴 = Holaina	time breach : •	= vvitnin	noidind time.

Matrix: WATER					Evaluation	n: × = Holding time	breach ; ✓ = With	in holding time
Method		Sample Date	Extraction / 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,	SW2	20-Dec-2023				27-Dec-2023	27-Dec-2023	✓
EK055G: Ammonia as N by Discrete Analyser								
Clear Plastic Bottle - Sulfuric Acid (EK055G) SW1,	SW2	20-Dec-2023				28-Dec-2023	17-Jan-2024	1
EK057G: Nitrite as N by Discrete Analyser								
Clear Plastic Bottle - Natural (EK057G) SW1,	SW2	20-Dec-2023				22-Dec-2023	22-Dec-2023	✓
EK059G: Nitrite plus Nitrate as N (NOx) by Di	iscrete Analyser							
Clear Plastic Bottle - Sulfuric Acid (EK059G) SW1,	SW2	20-Dec-2023				28-Dec-2023	17-Jan-2024	1
EP020: Oil and Grease (O&G)								
Amber Jar - Sulfuric Acid or Sodium Bisulfate SW1	(EP020)	20-Dec-2023				29-Dec-2023	17-Jan-2024	1



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.

Evaluation: ★ = Quality Control frequency not within specification ; ✓ = Quality Control frequency within specific							not within specification ; \checkmark = Quality Control frequency within specification
Quality Control Sample Type		Co	ount		Rate (%)		Quality Control Specification
Analytical Methods	Method	QC	Reaular	Actual	Expected	Evaluation	
Laboratory Duplicates (DUP)							
Ammonia as N by Discrete analyser	EK055G	2	13	15.38	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	13	7.69	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	13	7.69	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	✓	NEPM 2013 B3 & ALS QC Standard
Oil and Grease	EP020	3	50	6.00	6.00	1	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	13	7.69	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)

	CHAIN OF Ph: 08 3359 0680 E: adelaide@alsglobal.com Ph: CUSTODY DBNISANE 32 Shard Street Stafford QL 0403 Ph: 07 3247 22E : samples tribdam@alsglobal.com Ph: ALS Laboratory: DGLADSTONE 46 Callenondah Drive Olinton QL 0480 DML				DMACKAY 78 Harbour Road Mackay QLD 4740 Ph: 07 4944 0177 E: mackay@alsglobal.com JMELBOURNE 2-4 Weshill Road Springrule VIC 3171 h: 03 8549 0600 E: samples mebourne@alsglobal.com MUDGEE 27 Sydney Roid Mugge NSW 2850 n: 02 6372 6735 E: mudgle.mail@alsglobal.com				DNEWCASTLE 5/585 Mailland Rd Mayfield West NSW 2004 Ph: 02 4014 2500 E: samples.newcastle@atsplotal.com DNOWRA 4/13 Geary Place Morth Nowra NSW 2541 Ph: 0244/23 2083 E: newra@atsplotal.com DPERTH 10 Hod Way Malaga WA 6030 Ph: 03 8203 7655 E: samples.perth@atsglotal.com				r	USYDNEY 277-289 Woodpark Road Smithfield NSW 2164 Ph: 02 8764 8555 E: samples sydney@alsglobal.com UTOWNSVILLE 14-15 Desma Court Bohle QLD 4816 Ph: 07 4796 0600 E: townoville environmental@alsglobal.com UWOLLONGONG 99 Kenny Street Woltongong NSW 2500 Ph: 02 4225 3125 E: portkenbal@alsglobal.com		
	RCA Australia 02 Hill Street, Carrington		(Standard TAT	JND REQUIREMENTS : may be longer for some tests e.g Ultra	Standa	rd TAT (List due d	ate):					FC			ONLY (Circle)	
	Trace Organics)										stody Seal Int		Yes No N			
	-						cc	receipt?					Temperature	185 NO N		
JECT MANAGER:	Fiona Brooker	CONTACT P	H: 0408 687 5	529				0	F: 1				ner comment:	, include the second seco	23.6	
PLER: Client		SAMPLER M			RELINQUIS					CEIVED BY: RELINQUISHED BY:					RECEIVED BY	
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IMENTS/SPECIAL	HANDLING/STORAGE OR DI	SPOSAL:							-110 10-10-				100	20/12/25/		
ALS						Constanting of the										
USE	MATRIX: S	IPLE DETAILS OLID (S) WATER (W)		CONTAINER IN	FORMATION		Where M	letals are n	equired, specif	y lotal (unfilt	IB. Suite Co ered bottle r quired).	des must be lis equired) or Dis	ted to attract s solved (field f	ulte price) ittered bottle	Additional Information	
LAB ID	Sample 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, diutions, or samples requiring specific QC analysis etc.	
	sw1	0905/20/12	w	Purple Glass, Purple Plastic, Gre	een Plastic	3	X ·	x	ن تر x	x				_		
2	SW2	0915-20/12	w	Purple Glass, Purple Plastic, Gre	een Plastic	422	x	x	x	x		1			purple glass bottle	
														_	A State of the second s	
		101														
						1								1		
							2									
	Section Se			5												
	State Strategy	A	0						-			-				
			1.00									-				
						-										
													En	vironm	ental Division	
					No.	1							Syd	aney	der Reference	
					TOTAL	6	2	2	2	2				FSS		
Container Codes:	P = Unpreserved Plastic; N = Nitric	Preserved Plastic; ORC = Nitric	Preserved ORC	; SH = Sodium Hydroxide/Cd Preserved	d; S = Sodium Hyd	froxide Preserved P	lastic; AG = A	mber Glass	Unpreserved;	AP - Airfreig	nt Unpreser	ved Plastic			.044202	
nc Acetate Preserved	Bottle; E = EDTA Preserved Bottle	s; ST = Sterile Bottle; ASS = Plas	tic Bag for Acid	, or - Sodum Hydroxade.d Preserved W = Aifreight INDFreserved Unit SC = S Sulphate Solis; Ε = Unpreserved Bag.	Sumunic Preserved	Amper Glass; H =	HCl preserve	d Plastic; F	HS = HCI prese	erved Special	ion bottle; S	P = Sulfuri			-2-6764 8555	



SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order	: ES2344202				
Client Contact Address	: ROBERT CARR & ASSOCIATES P/L : MS FIONA BROOKER : 92 HILL STREET CARRINGTON NSW 2294	Laboratory Contact Address	 Environmental Division Sydney Customer Services ES 277-289 Woodpark Road Smithfield NSW Australia 2164 		
E-mail Telephone Facsimile	: fionab@rca.com.au : +61 02 4902 9200 : +61 02 4902 9299	E-mail Telephone Facsimile	: ALSEnviro.Sydney@ALSGlobal.com : +61-2-8784 8555 : +61-2-8784 8500		
Project Order number C-O-C number Site Sampler	: 12513e : : : : Client	Page Quote number QC Level	: 1 of 3 : ES2017ROBCAR0004 (SYBQ/400/21) : NEPM 2013 B3 & ALS QC Standard		
Dates Date Samples Rece Client Requested D Date		Issue Date Scheduled Reporting	: 20-Dec-2023 g Date : 03-Jan-2024		
Delivery Deta Mode of Delivery No. of coolers/boxe Receipt Detail	: Undefined	Security Seal Temperature No. of samples rece	: Not Available : 23.6'C ived / analysed : 2 / 2		

General Comments

- 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
- Unable to conduct Oil and Grease analysis on sample SW2 as no appropriate container was provided.
- 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

component			A025H Solids -	55G By D	i8G Disc	20 0&G)
Matrix: WATER			щЪ	R - EK05	R - EK05 as N by I	ER - EP02 Grease (C
Laboratory sample	Sampling date /	Sample ID	ATER ispend	TER	TER ate a	A G
ID	time		Sus Sus	A W	∆ vit	Q V
ES2344202-001	20-Dec-2023 09:05	SW1	✓	✓	1	✓
ES2344202-002	20-Dec-2023 09:15	SW2	✓	1	1	

as N By Discrete Analyser

I by Discrete Analyser

EP020 se (0&G)

Solids - Standard Level

Proactive Holding Time Report

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

Requested Deliverables

ADMINISTRATOR

 *AU Certificate of Analysis - NATA (COA) 	Email	administrator@rca.com.au
- *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI)	Email	administrator@rca.com.au
 *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) 	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
- EDI Format - XTab (XTAB)	Email	administrator@rca.com.au
ALL INVOICES		
- A4 - AU Tax Invoice (INV)	Email	administrator@rca.com.au
ENVIRO		
 *AU Certificate of Analysis - NATA (COA) 	Email	enviro@rca.com.au
 *AU Interpretive QC Report - DEFAULT (Anon QCI Rep) (QCI) 	Email	enviro@rca.com.au
 *AU QC Report - DEFAULT (Anon QC Rep) - NATA (QC) 	Email	enviro@rca.com.au
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FIONA BROOKER		
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Issue Date	20-Dec-2023
Page	: 3 of 3 ES2344202 Amendment 0
Work Order Client	: ROBERT CARR & ASSOCIATES P/L

