

Project Details

Project Name	Project N°.	
Client		
Site address		
EPL No.(if any)	Date of last rainfall	Amount (mm)

Grab sampling information

Samplers name			
Other team members			
Date of sample	Time taken	N°. of samples	

Sampling location

Settled waters	<input type="checkbox"/>	Upstream	<input type="checkbox"/>	Downstream	<input type="checkbox"/>	Other
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Pre-treatment details

Has a TSS / NTU curve been established	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	NTU Max
Has a Jar Test been completed	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	

Type of monitoring point

Sediment basin	<input type="checkbox"/>	Creek	<input type="checkbox"/>	Drain	<input type="checkbox"/>	Other
Monitoring point ID N°.						
Approx. water volume						

Flocculation

Flocculent name	Dosage rate	
Date of application	Time of application	



Field measurement (only test after flocculation has been completed if discharging water off site)

Field test type	Record	Lab or onsite equipment used
pH		
TSS (mg/l)		
Turbidity (NTU)		
Visible Hydrocarbons		

Observations during sampling or testing – note any temperature and/or salinity testing requirements

Dewatering

Is the water being dewatered to an approved location?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Water meets licence and/or legislative requirements?	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>
Location ID	Volume of water released			
Samplers name	Signature	Date		
Project Manager	Signature	Date		

Project Details					
Project Name	Rosehill Sustainable Road Resource Centre	Project N°.	7036		
Client	Downer				
Site address	Lot 6, 9 Devon Street, Rosehill				
EPL No.(if any)	N/A	Date of last rainfall	24/05/2021	Amount (mm)	1.0
Grab sampling information					
Samplers name	Andrew Lepre				
Other team members					
Date of sample	1/06/2021	Time taken	4:30	N° of samples	1
Sampling location					
Settled waters	<input checked="" type="checkbox"/> Upstream	<input type="checkbox"/> Downstream	<input type="checkbox"/> Other		
Pre-treatment details					
Has a TSS / NTU curve been established	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	NTU Max		
Has a Jar Test been completed	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Type of monitoring point					
Sediment basin	<input checked="" type="checkbox"/> Creek	<input type="checkbox"/> Drain	<input type="checkbox"/> Other		
Monitoring point ID N°.	Southern Swale				
Approx. water volume	525,000 L				
Flocculation					
Flocculent name	N/A (No flocculant needed)		Dosage rate	N/A	
Date of application	N/A		Time of application	N/A	
Field measurement (only test after flocculation has been completed if discharging water off site)					
Field test type	Record			Lab or onsite equipment used	
pH	7.8			Lab	
TSS (mg/l)	<5			Lab	
Turbidity (NTU)	17			Lab	
Visible Hydrocarbons	No odours noted. No sheen observed.			Onsite	
Observations during sampling or testing – note any temperature and/or salinity testing requirements					
<p>Sampling of surface water was collected by taking a grab sample from the water body with a laboratory-supplied water bottle. Sampling was conducted in line with the SAI global standard for monitoring and sampling (AS/NZS 5667.1:1998). Analysis of sample was conducted by a NATA accredited Laboratory.</p> <p>Water within the Southern Swale was clear with no Hydrocarbon odours or sheen. pH screening was conducted by immersing the pH probe within the body of water to obtain a representative measurement. Turbidity screen was conducted by collecting a representative sample of the water body and analysing the sample using a calibrated turbidity meter</p> <p>LAB results from Eurofins were compliant with Downers CEMP and Landcons Blue Book requirements for discharging. Discharge location will be as per Robson's PESCP. Discharge location outside Ducks river riparian zone and grass filter bed and additional check dams will be utilised at discharge location to prevent erosion.</p>					
Dewatering					
Is the water being dewatered to an approved location?			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water meets licence and/or legislative requirements?			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Location ID	Southern Swale		Volume of water released	450,000 L	
Samplers name	Andrew Lepre	Signature		Date	03/06/2021
Project Manager	Mark Dolan	Signature		Date	03/06/2021

Australia

Melbourne
6 Monterey Road
Dandenong South VIC 3175
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

Sydney
Unit F3, Building F
16 Mars Road
Lane Cove West NSW 2066
Phone : +61 2 9900 8400
NATA # 1261 Site # 18217

Brisbane
1/21 Smallwood Place
Murarrie QLD 4172
Phone : +61 7 3902 4600
NATA # 1261 Site # 20794

Perth
46-48 Banksia Road
Welshpool WA 6106
Phone : +61 8 9251 9600
NATA # 1261
Site # 23736

Newcastle
4/52 Industrial Drive
Mayfield East NSW 2304
PO Box 60 Wickham 2293
Phone : +61 2 4968 8448
NATA # 1261 Site # 25079

New Zealand

Auckland
35 O'Rorke Road
Penrose, Auckland 1061
Phone : +64 9 526 45 51
IANZ # 1327

Christchurch
43 Detroit Drive
Rolleston, Christchurch 7675
Phone : 0800 856 450
IANZ # 1290

Company Name:	Robson Civil Projects Pty Ltd	Order No.:		Received:	Jun 1, 2021 5:40 PM
Address:	1280 Old Pacific Hwy Somersby NSW 2250	Report #:	799701	Due:	Jun 2, 2021
Project Name:	ROSEHILL SUSTAINABLE ROAD RESOURCE CENTRE	Phone:	02 4343 6100	Priority:	1 Day
Project ID:	7036	Fax:		Contact Name:	Andrew Lepre

Eurofins Analytical Services Manager : Elvis Dsouza

Sample Detail						Conductivity (at 25°C)	pH (at 25 °C)	Total Suspended Solids Dried at 103–105°C	Turbidity
Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
Mayfield Laboratory - NATA Site # 25079									
External Laboratory									
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	SOUTHERN SWALE	Jun 01, 2021		Water	S21-Jn01866	X	X	X	X
Test Counts						1	1	1	1

Robson Civil Projects Pty Ltd
 1280 Old Pacific Hwy
 Somersby
 NSW 2250



NATA Accredited
Accreditation Number 1261
Site Number 18217

Accredited for compliance with ISO/IEC 17025 – Testing
 NATA is a signatory to the ILAC Mutual Recognition
 Arrangement for the mutual recognition of the
 equivalence of testing, medical testing, calibration,
 inspection and proficiency testing scheme providers
 reports.

Attention: **Andrew Lepre**

Report **799701-W**
 Project name **ROSEHILL SUSTAINABLE ROAD RESOURCE CENTRE**
 Project ID **7036**
 Received Date **Jun 01, 2021**

Client Sample ID			SOUTHERN SWALE
Sample Matrix			Water
Eurofins Sample No.			S21-Jn01866
Date Sampled			Jun 01, 2021
Test/Reference	LOR	Unit	
Conductivity (at 25°C)	10	uS/cm	1100
pH (at 25 °C)	0.1	pH Units	7.8
Total Suspended Solids Dried at 103–105°C	5	mg/L	< 5
Turbidity	1	NTU	17

Sample History

Where samples are submitted/analysed over several days, the last date of extraction is reported.

If the date and time of sampling are not provided, the Laboratory will not be responsible for compromised results should testing be performed outside the recommended holding time.

Description	Testing Site	Extracted	Holding Time
Conductivity (at 25°C) - Method: LTM-INO-4030 Conductivity	Sydney	Jun 02, 2021	28 Days
pH (at 25 °C) - Method: LTM-GEN-7090 pH in water by ISE	Sydney	Jun 02, 2021	1 Days
Total Suspended Solids Dried at 103–105°C - Method: LTM-INO-4070 Analysis of Suspended Solids in Water by Gravimetry	Sydney	Jun 02, 2021	7 Days
Turbidity - Method: LTM-INO-4140 Turbidity by Nephelometric Method	Sydney	Jun 02, 2021	2 Days

Australia

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Project ID:	7036	Fax:		Contact Name:	Andrew Lepre

Eurofins Analytical Services Manager : Elvis Dsouza

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Melbourne Laboratory - NATA Site # 1254 & 14271									
Sydney Laboratory - NATA Site # 18217						X	X	X	X
Brisbane Laboratory - NATA Site # 20794									
Perth Laboratory - NATA Site # 23736									
Mayfield Laboratory - NATA Site # 25079									
External Laboratory									
No	Sample ID	Sample Date	Sampling Time	Matrix	LAB ID				
1	SOUTHERN SWALE	Jun 01, 2021		Water	S21-Jn01866	X	X	X	X
Test Counts						1	1	1	1

Internal Quality Control Review and Glossary
General

- Laboratory QC results for Method Blanks, Duplicates, Matrix Spikes, and Laboratory Control Samples follows guidelines delineated in the National Environment Protection (Assessment of Site Contamination) Measure 1999, as amended May 2013 and are included in this QC report where applicable. Additional QC data may be available on request.
- All soil/sediment/solid results are reported on a dry basis, unless otherwise stated.
- All biota/food results are reported on a wet weight basis on the edible portion, unless otherwise stated.
- Actual LORs are matrix dependant. Quoted LORs may be raised where sample extracts are diluted due to interferences.
- Results are uncorrected for matrix spikes or surrogate recoveries except for PFAS compounds.
- SVOC analysis on waters are performed on homogenised, unfiltered samples, unless noted otherwise.
- Samples were analysed on an 'as received' basis.
- Information identified on this report with blue colour, indicates data provided by customer, that may have an impact on the results.
- This report replaces any interim results previously issued.

Holding Times

Please refer to 'Sample Preservation and Container Guide' for holding times (QS3001).

For samples received on the last day of holding time, notification of testing requirements should have been received at least 6 hours prior to sample receipt deadlines as stated on the SRA.

If the Laboratory did not receive the information in the required timeframe, and regardless of any other integrity issues, suitably qualified results may still be reported.

Holding times apply from the date of sampling, therefore compliance to these may be outside the laboratory's control.

For VOCs containing vinyl chloride, styrene and 2-chloroethyl vinyl ether the holding time is 7 days however for all other VOCs such as BTEX or C6-10 TRH then the holding time is 14 days.

****NOTE:** pH duplicates are reported as a range NOT as RPD

Units

mg/kg: milligrams per kilogram

mg/L: milligrams per litre

ug/L: micrograms per litre

ppm: Parts per million

ppb: Parts per billion

%: Percentage

org/100mL: Organisms per 100 millilitres

NTU: Nephelometric Turbidity Units

MPN/100mL: Most Probable Number of organisms per 100 millilitres

Terms

Dry	Where a moisture has been determined on a solid sample the result is expressed on a dry basis.
LOR	Limit of Reporting.
SPIKE	Addition of the analyte to the sample and reported as percentage recovery.
RPD	Relative Percent Difference between two Duplicate pieces of analysis.
LCS	Laboratory Control Sample - reported as percent recovery.
CRM	Certified Reference Material - reported as percent recovery.
Method Blank	In the case of solid samples these are performed on laboratory certified clean sands and in the case of water samples these are performed on de-ionised water.
Surr - Surrogate	The addition of a like compound to the analyte target and reported as percentage recovery.
Duplicate	A second piece of analysis from the same sample and reported in the same units as the result to show comparison.
USEPA	United States Environmental Protection Agency
APHA	American Public Health Association
TCLP	Toxicity Characteristic Leaching Procedure
COC	Chain of Custody
SRA	Sample Receipt Advice
QSM	US Department of Defense Quality Systems Manual Version 5.3
CP	Client Parent - QC was performed on samples pertaining to this report
NCP	Non-Client Parent - QC performed on samples not pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within.
TEQ	Toxic Equivalency Quotient

QC - Acceptance Criteria

RPD Duplicates: Global RPD Duplicates Acceptance Criteria is 30% however the following acceptance guidelines are equally applicable:

Results <10 times the LOR : No Limit

Results between 10-20 times the LOR : RPD must lie between 0-50%

Results >20 times the LOR : RPD must lie between 0-30%

Surrogate Recoveries: Recoveries must lie between 20-130% Phenols & 50-150% PFASs

PFAS field samples that contain surrogate recoveries in excess of the QC limit designated in QSM 5.3 where no positive PFAS results have been reported have been reviewed and no data was affected.

WA DWER (n=10): PFBA, PFPeA, PFHxA, PFHpA, PFOA, PFBS, PFHxS, PFOS, 6:2 FTSA, 8:2 FTSA

QC Data General Comments

- Where a result is reported as a less than (<), higher than the nominated LOR, this is due to either matrix interference, extract dilution required due to interferences or contaminant levels within the sample, high moisture content or insufficient sample provided.
- Duplicate data shown within this report that states the word "BATCH" is a Batch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent and Duplicate data shown is not data from your samples.
- Organochlorine Pesticide analysis - where reporting LCS data, Toxaphene & Chlordane are not added to the LCS.
- Organochlorine Pesticide analysis - where reporting Spike data, Toxaphene is not added to the Spike.
- Total Recoverable Hydrocarbons - where reporting Spike & LCS data, a single spike of commercial Hydrocarbon products in the range of C12-C30 is added and it's Total Recovery is reported in the C10-C14 cell of the Report.
- pH and Free Chlorine analysed in the laboratory - Analysis on this test must begin within 30 minutes of sampling. Therefore laboratory analysis is unlikely to be completed within holding time. Analysis will begin as soon as possible after sample receipt.
- Recovery Data (Spikes & Surrogates) - where chromatographic interference does not allow the determination of Recovery the term "INT" appears against that analyte.
- Polychlorinated Biphenyls are spiked only using Aroclor 1260 in Matrix Spikes and LCS.
- For Matrix Spikes and LCS results a dash " - " in the report means that the specific analyte was not added to the QC sample.
- Duplicate RPDs are calculated from raw analytical data thus it is possible to have two sets of data.

Quality Control Results

Test				Units	Result 1		Acceptance Limits	Pass Limits	Qualifying Code
Method Blank									
Conductivity (at 25°C)				uS/cm	< 10		10	Pass	
Total Suspended Solids Dried at 103–105°C				mg/L	< 5		5	Pass	
Turbidity				NTU	< 1		1	Pass	
LCS - % Recovery									
Conductivity (at 25°C)				%	79		70-130	Pass	
Total Suspended Solids Dried at 103–105°C				%	90		70-130	Pass	
Turbidity				%	108		70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Spike - % Recovery									
					Result 1				
Total Suspended Solids Dried at 103–105°C	S21-Jn01651	NCP	%	94			70-130	Pass	
Test	Lab Sample ID	QA Source	Units	Result 1			Acceptance Limits	Pass Limits	Qualifying Code
Duplicate									
					Result 1	Result 2	RPD		
Conductivity (at 25°C)	S21-Jn01866	CP	uS/cm	1100	1000	8.0	30%	Pass	
Total Suspended Solids Dried at 103–105°C	S21-Jn01651	NCP	mg/L	44	39	11	30%	Pass	
Turbidity	S21-Jn01866	CP	NTU	17	17	1.0	30%	Pass	



CHAIN OF CUSTODY RECORD

ABN 53 005 085 521

Eurofins | mgt
Auckland Office
36 Orford Road, Penrose, AUCKLAND 1091, New Zealand
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E: ScottCram@eurofins.co.nz; Omaha@eurofins.com.au

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E: ScottCram@eurofins.co.nz; Omaha@eurofins.com.au

Company: Robson Civil Projects

Contact Name: Andrew Lepre

Contact Phone No: 0401 096 381

Special Direction: Issue invoice to Andrew.lepre@robsoncivil.com.au Invoice will be paid by debit

Relinquished by: Andrew Lepre

(Signature): A. Lepre

(Time / Date): 05:30 1/06/21

Analysis (Note: Where metals are requested, please specify "Total" or "Filtered")

Purchase Order: Eurofins | mgt
Quote No:

PH
X
Turbidity
X
TSS
X
EC
X
TEMPERATURE

Project Manager: Mark Dolan
Project No: 7036

Project Name: Rosehill Sustainable Road Resource Centre
Electronic Results Format: Excel
Email for Results: Andrew.lepre@robsoncivil.com.au

Turn Around Requirements: 1 DAY* 2 DAY* 3 DAY*
 3 DAY (Std) Other ()
*Standard charges apply

Containers: 1L Plastic, 250mL Plastic, 125mL Plastic, 200mL Amber Glass, 40mL vial, 125mL Amber Glass, Jar
Method of Shipment: Courier #, Hand Delivered, Postal
Sample Comments / DG Hazard Warning

X

No	Client Sample ID	Date	Matrix	PH	Turbidity	TSS	EC	TEMPERATURE
1	Southern Swale	1/06/21	W	X	X	X	X	X
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Received By: R Phillips
Received By: SMD
AUCK | WELL | MELB
AUCK | WELL | MELB

Date: 1/6/21
Date: 1/1/21

Time: 5:40pm
Time: 1:11

Signature: [Signature]
Signature: [Signature]

Temperature: 21.9°C
Report No: 79970

Australia

Melbourne

6 Monterey Road
Dandenong South VIC 3175
Phone : +61 3 8564 5000
NATA # 1261
Site # 1254 & 14271

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Sample Receipt Advice

Company name: Robson Civil Projects Pty Ltd
Contact name: Andrew Lepre
Project name: ROSEHILL SUSTAINABLE ROAD RESOURCE CENTRE
Project ID: 7036
Turnaround time: 1 Day
Date/Time received: Jun 1, 2021 5:40 PM
Eurofins reference: 799701

Sample Information

- ✓ A detailed list of analytes logged into our LIMS, is included in the attached summary table.
- ✓ All samples have been received as described on the above COC.
- ✓ COC has been completed correctly.
- ✗ Attempt to chill was evident.
- ✓ Appropriately preserved sample containers have been used.
- ✓ All samples were received in good condition.
- ✓ Samples have been provided with adequate time to commence analysis in accordance with the relevant holding times.
- ✓ Appropriate sample containers have been used.
- ✓ Sample containers for volatile analysis received with zero headspace.
- ✗ Split sample sent to requested external lab.
- ✗ Some samples have been subcontracted.
- N/A Custody Seals intact (if used).

Notes

Temperature at receipt recorded.
Samples received by the laboratory after 5.30pm are deemed to have been received the following working day.

Contact

If you have any questions with respect to these samples, please contact your Analytical Services Manager:

Elvis Dsouza on phone : or by email: ElvisDsouza@eurofins.com

Results will be delivered electronically via email to Andrew Lepre - andrew.lepre@robsoncivil.com.au.

Comments**Sample Integrity**

Custody Seals Intact (if used)	N/A
Attempt to Chill was evident	No
Sample correctly preserved	Yes
Appropriate sample containers have been used	Yes
Sample containers for volatile analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	No

Authorised by:

Elvis Dsouza Analytical Services Manager
Charl Du Preez Senior Analyst-Inorganic (NSW)



Glenn Jackson
General Manager

Final Report – this report replaces any previously issued Report

- Indicates Not Requested

* Indicates NATA accreditation does not cover the performance of this service

Measurement uncertainty of test data is available on request or please [click here](#).

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