



Corporate Accreditation No 63
Accredited for compliance with ISO/IEC 17025 - Testing



Analytical Report 241334

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Where a result is required to meet a compliance limit or specification the associated uncertainty must be considered. Uncertainty estimates are available for all accredited test results.

SAMPLE SUMMARY

<u>Client Sample ID</u>	<u>Sample Number</u>	<u>Sampling Procedure</u>	<u>Date Sampled</u>	<u>Date Received</u>	<u>Date Authorised</u>	<u>Description</u>
PT 1 POLISHER	L21023677	1	10/03/2021	11/03/2021	20/03/2021	(ENVIRONMENTAL WATER)
PT 2 TURKEYS	L21023678	1	10/03/2021	11/03/2021	17/03/2021	(ENVIRONMENTAL WATER)
SPLITTER BOX 1	L21023679	1	10/03/2021	11/03/2021	17/03/2021	(ENVIRONMENTAL WATER)
SPLITTER BOX 2	L21023680	1	10/03/2021	11/03/2021	17/03/2021	(ENVIRONMENTAL WATER)
INLET	L21023681	1	10/03/2021	11/03/2021	17/03/2021	(ENVIRONMENTAL WATER)

Sampling procedures

- 1 Samples analysed as received.
- 2 Samples collected as per FS procedures SAWI 070, Excluding Oil & Grease which is collected as per clients instructions.
- 3 Samples collected as per FS procedures SAWI 070.
- 4 Results reported as received from WNSW.

ANALYTICAL RESULTS

Client Sample ID		PT 1 POLISHER	PT 2 TURKEYS	SPLITTER BOX 1	SPLITTER BOX 2	INLET			
Sampled Date		10/03/2021 07:40:00 AM	10/03/2021 07:50:00 AM	10/03/2021 07:30:00 AM	10/03/2021 07:30:00 AM	10/03/2021 07:30:00 AM			
Sample Number		L21023677	L21023678	L21023679	L21023680	L21023681			
CHEMISTRY									
WC12MET : Conductivity									
Conductivity (mS/m)	mS/m	75.8	83.1	-	-	-			
Date of Performance	DD/MM/YY	11/03/21	11/03/21						
WC17NS : Biological oxygen demand									
BOD5	mg/L	15	11	86	11	160			
Date of Performance	DD/MM/YY	12/03/21	12/03/21	12/03/21	12/03/21	12/03/21			
WC26NS500 : Grease									
Oil & Grease	mg/L	<5	<5	-	-	-			
Date of Performance	DD/MM/YY	11/03/21	11/03/21						
WC44NS : Determination of Total, Fixed & Volatile Suspended Solids									
Total Suspended Solids	mg/L	74	62	-	-	-			
Date of Performance	DD/MM/YY	16/03/21	12/03/21						
WC62NS : Total Dissolved Solids in water									

"-" = Not required or refer to Laboratory comment

Client Sample ID		PT 1 POLISHER	PT 2 TURKEYS	SPLITTER BOX 1	SPLITTER BOX 2	INLET			
Sampled Date		10/03/2021 07:40:00 AM	10/03/2021 07:50:00 AM	10/03/2021 07:30:00 AM	10/03/2021 07:30:00 AM	10/03/2021 07:30:00 AM			
Sample Number		L21023677	L21023678	L21023679	L21023680	L21023681			
CHEMISTRY									
WC62NS : Total Dissolved Solids in water(Continued)									
Total Dissolved Solids	mg/L	-	560	-	-	-			
Date of Performance	DD/MM/YY		11/03/21						
MICRO									
MI01 : Faecal Coliform and/or E. coli									
E.coli	CFU/100mL	-	~2	-	-	-			
Faecal Coliform	CFU/100mL	-	~2	-	-	-			
Date of Performance	D/M/Y H:M		11/03/21 15:40						
NUTRIENTS									
NU102 : Nitrogen & Phosphorus									
Total Nitrogen	mg/L	7.40	6.38	-	-	-			
Total Phosphorus	mg/L	0.970	1.19	-	-	-			
Date of Performance	DD/MM/YY	12/03/21	12/03/21						

"-" = Not required or refer to Laboratory comment

(~): Counts of target colonies are outside the optimal precision range.

COMMENTS

<u>Sample ID</u>	<u>Comment Level</u>	<u>Method</u>	<u>Test</u>	<u>Comment</u>
L21023678	Method	MI01	-	Result confirmed. Sample analysed outside recommended holding time of 24Hrs.
<u>Analysis</u>		<u>Analysis Requirements</u>		
WC62NS MI01	This method is not NATA accredited for saline matrix. Faecal Coliforms and/or E.Coli: all results are presumptive unless indicated otherwise.			
WC62NS MI01	This method is not NATA accredited for saline matrix. Faecal Coliforms and/or E.Coli: all results are presumptive unless indicated otherwise.			

LABORATORY QC RESULTS

N/A - Not Applicable

PQL - Practical Quantitation Limit

LOQ - Limit of Quantification

RPD - Relative Percent Difference

SPIKE/Positive Control - Addition of a known amount and concentration

Duplicate Precision = Accepted - Result 2 within 95% confidence limits of result 1

Duplicate Precision = Outlier - Result 2 outside 95% confidence limits of result 1

Duplicate Precision = Not calculated - Result is outside test range

LOQ	Blank	Positive Control <i>Acceptance Criteria</i>	Negative Control <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	Precision <i>Acceptance Criteria</i>
MI01 [Membrane Filtration]E.coli						
<1 CFU/100mL	<1	Accepted	Accepted	~2	<1	Not Calculated
MI01 [Membrane Filtration]Faecal Coliform						
<1 CFU/100mL	<1	Accepted	Accepted	~2	<1	Not Calculated

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
NU102 Total Nitrogen						
<0.05 mg/L	<0.05	0.95 <i>0.88 - 1.12 mg/L</i>	100 % Recovery <i>80 - 120 % Recovery</i>	1.88	1.97	4.68 % <i>0 - 20 %</i>
NU102 Total Phosphorus						
<0.002 mg/L	<0.002	0.049 <i>0.045 - 0.055 mg/L</i>	102 % Recovery <i>80 - 120 % Recovery</i>	0.168	0.160	4.88 % <i>0 - 20 %</i>
WC12MET Conductivity (mS/m)						
<0.1 mS/m	F	140.6 <i>139.3 - 143.3 mS/m</i>	E	202.6	202.6	0.00 % <i>0 - 20 %</i>
WC17NS BOD5						
<2 mg/L	<2	180 <i>139 - 257 mg/L</i>	E	86	85	1.17 % <i>0 - 20 %</i>

LOQ	Blank	Control <i>Acceptance Criteria</i>	Spike <i>Acceptance Criteria</i>	Duplicate1	Duplicate2	RPD <i>Acceptance Criteria</i>
WC26NS500 Oil & Grease						
<5 mg/L	<5	90 85.1 - 101.5 mg/L	E	52	52	3.77 % 0 - 50 %
WC44NS Total Suspended Solids						
<2 mg/L	<2	52 42.5 - 57.5 mg/L	E	380	380	0.00 % 0 - 20 %
WC62NS Total Dissolved Solids						
<10 mg/L	298	<10 255 - 345 mg/L	E	39200	39300	0.25 % 0 - 20 %

Extra Note:

- F: Blank is not applicable for this analyte
- E: Spike is not applicable for this analyte