

Final

Report To:	Project:	EPA-19-00631
	Report Number :	4272
	Entity:	
	Location/Site:	

Sample Number:	19-04784	Sampled Date:	08/04/2019 11:12:00
Sampling Point:	WE_30_340_0010_OP	Sampled By:	TMS
Description:	Ballyquirke Midlake	Replicate / Split:	
Sample Condition:	Good	Grab/Composite:	
		Received in Lab:	08/04/2019

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	3.3	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	10.8	mg/l				CB	
Dissolved Oxygen	98	% saturation				CB	
Temperature	11.1	°C				CB	
Transparency (Secchi)	1.4	m				CB	
Alkalinity	57	mg/l CaCO3		20%	09/04/2019	CB	EPA_W17 *
Ammonia	0.025	mg/l N		21%	09/04/2019	CB	EPA_W07 *
Conductivity @25°C	195	µS/cm		11%	09/04/2019	CB	EPA_W08 *
Nitrate	0.35	mg/l N		18%	09/04/2019	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	09/04/2019	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	09/04/2019	CB	EPA_W07 *
pH	7.7	pH units		0.2 pH units	09/04/2019	CB	EPA_W09 *

Silica	2.1	mg/l SiO ₂	12%	09/04/2019	CB	EPA_W11 *
Total Oxidised Nitrogen	0.34	mg/l N	18%	09/04/2019	CB	EPA_W07 *
Total Phosphorus	<0.01	mg/l P	22%	09/04/2019	CB	EPA_W06 *
True Colour	57	mg/l PtCo	26%	09/04/2019	CB	EPA_W15 *
Chlorophyll	1.6	mg/m ³		09/04/2019	CB	

Comment:

Sample Number: 19-04785
Sampling Point: WE_29_37_0010_OP
Description: Cutra Site 1

Sampled Date: 08/04/2019 09:10:00
Sampled By: TMS
Replicate / Split:
Grab/Composite:
Received in Lab: 08/04/2019

Sample Condition: Good

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	15.4	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	11.0	mg/l				CB	
Dissolved Oxygen	97	% saturation				CB	
Temperature	9.8	°C				CB	
Transparency (Secchi)	0.6	m				CB	
Alkalinity	33	mg/l CaCO3		20%	09/04/2019	CB	EPA_W17 *
Ammonia	0.022	mg/l N		21%	09/04/2019	CB	EPA_W07 *
Conductivity @25°C	137	µS/cm		11%	09/04/2019	CB	EPA_W08 *
Nitrate	<0.2	mg/l N		18%	09/04/2019	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	09/04/2019	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	09/04/2019	CB	EPA_W07 *
pH	7.5	pH units		0.2 pH units	09/04/2019	CB	EPA_W09 *
Silica	1.4	mg/l SiO2		12%	09/04/2019	CB	EPA_W11 *
Total Oxidised Nitrogen	<0.2	mg/l N		18%	09/04/2019	CB	EPA_W07 *
Total Phosphorus	0.014	mg/l P		22%	09/04/2019	CB	EPA_W06 *
True Colour	105	mg/l PtCo		26%	09/04/2019	CB	EPA_W15 *
Chlorophyll	2.9	mg/m3			09/04/2019	CB	

Comment:

Sample Number: 19-04786
Sampling Point: WE_29_37_0020_OP
Description: Cutra Site 2

Sampled Date: 08/04/2019 09:21:00
Sampled By: TMS
Replicate / Split:
Grab/Composite:
Received in Lab: 08/04/2019

Sample Condition: Good

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	12.8	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	10.4	mg/l				CB	
Dissolved Oxygen	96	% saturation				CB	
Temperature	9.7	°C				CB	
Transparency (Secchi)	0.8	m				CB	
Alkalinity	32	mg/l CaCO3		20%	09/04/2019	CB	EPA_W17 *
Ammonia	<0.02	mg/l N		21%	09/04/2019	CB	EPA_W07 *
Conductivity @25°C	137	µS/cm		11%	09/04/2019	CB	EPA_W08 *
Nitrate	<0.2	mg/l N		18%	09/04/2019	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	09/04/2019	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	09/04/2019	CB	EPA_W07 *
pH	7.6	pH units		0.2 pH units	09/04/2019	CB	EPA_W09 *
Silica	1.3	mg/l SiO2		12%	09/04/2019	CB	EPA_W11 *
Total Oxidised Nitrogen	<0.2	mg/l N		18%	09/04/2019	CB	EPA_W07 *
Total Phosphorus	0.015	mg/l P		22%	09/04/2019	CB	EPA_W06 *
True Colour	107	mg/l PtCo		26%	09/04/2019	CB	EPA_W15 *
Chlorophyll	3.6	mg/m3			09/04/2019	CB	

Comment:

Sample Number: 19-04787
Sampling Point: WE_32_474_0010_OP
Description: Tully Midlake

Sampled Date: 08/04/2019 13:51:00
Sampled By: TMS
Replicate / Split:
Grab/Composite:
Received in Lab: 08/04/2019

Sample Condition: Good

Parameter	Result	Units	Limits	Measurement Uncertainty	Analysis Date	Lab	Method
Depth at site	2.2	m				CB	
Depth of Sample	0.3	m				CB	
Dissolved Oxygen	11.3	mg/l				CB	
Dissolved Oxygen	102	% saturation				CB	
Temperature	10.7	°C				CB	
Transparency (Secchi)	1.3	m				CB	
Alkalinity	14	mg/l CaCO3		20%	09/04/2019	CB	EPA_W17 *
Ammonia	<0.02	mg/l N		21%	09/04/2019	CB	EPA_W07 *
Conductivity @25°C	143	µS/cm		11%	09/04/2019	CB	EPA_W08 *
Nitrate	<0.2	mg/l N		18%	09/04/2019	CB	EPA_W07 *
Nitrite	<4	µg/l N		19%	09/04/2019	CB	EPA_W07 *
o-Phosphate	<0.01	mg/l P		19%	09/04/2019	CB	EPA_W07 *
pH	7.3	pH units		0.2 pH units	09/04/2019	CB	EPA_W09 *
Silica	0.32	mg/l SiO2		12%	09/04/2019	CB	EPA_W11 *
Total Oxidised Nitrogen	<0.2	mg/l N		18%	09/04/2019	CB	EPA_W07 *
Total Phosphorus	0.015	mg/l P		22%	09/04/2019	CB	EPA_W06 *
True Colour	44	mg/l PtCo		26%	09/04/2019	CB	EPA_W15 *
Chlorophyll	6.4	mg/m3			09/04/2019	CB	

Comment:

Report Approved By:



Alan Stephens - Regional Chemist

Bold result are outside specified limits. * Indicates accredited method. nm = not measured, nr = not reported, vob = visible on bottom.

Field Measurements are performed on the date of sampling. Results relate only to the item tested/calibrated.

This test report shall not be amended except in full without approval of the laboratory.