



General Comments

The analytical procedures used by the Environmental Division have been developed from established internationally recognized procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are employed in the absence of documented standards or by 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 Contact 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)

Client sample ID

				Final Effluent Coolah	Final Effluent Dunedoo	Inflow Effluent CLH	Inflow Effluent ddo	----
Client sampling date / time				04-Sep-2018 13:00	04-Sep-2018 11:30	04-Sep-2018 13:30	04-Sep-2018 11:30	----
Compound	CAS Number	LOR	Unit	WN1804933-001	WN1804933-002	WN1804933-003	WN1804933-004	-----
				Result	Result	Result	Result	----
EA005: pH								
pH Value	----	0.01	pH Unit	9.61	8.24	7.95	7.80	----
EA010: Conductivity								
Electrical Conductivity @ 25°C	----	10	µS/cm	1090	1700	1580	1610	----
EA025: Total Suspended Solids dried at 104 ± 2°C								
Suspended Solids (SS)	----	1	mg/L	146	4	99	4	----
EK059A: Nitrite and Nitrate as N (NOx)								
Nitrite + Nitrate as N	----	0.05	mg/L	0.43	1.10	<0.05	0.51	----
EK061A: Total Kjeldahl Nitrogen as N								
Total Kjeldahl Nitrogen as N	----	0.2	mg/L	15.2	2.7	68.4	5.1	----
EK062A: Total Nitrogen as N								
Total Nitrogen as N	----	0.1	mg/L	15.6	3.8	68.4	5.6	----
EK067A: Total Phosphorus as P								
Total Phosphorus as P	----	0.05	mg/L	3.90	4.30	6.90	3.60	----
EP030.WN: Biochemical Oxygen Demand (BOD)								
Biochemical Oxygen Demand	----	2	mg/L	48	11	172	24	----