

Reference Material and Inter-laboratory Quality Control Materials Product Summary

March 2022

Version: 1

Assigned Values: Values provided have been generated from Inter-Laboratory Proficiency Programmes (ILPP) or from data provided by laboratories for the purpose of characterisation. The reference material values provided in this summary are the mean of the results after the exclusion of statistical outliers. The Assigned Range provided for the Inter-laboratory QC Materials is the range of test values available for purchase. Each Reference and QC Material comes with a Data Summary Sheet.

Missing Values and Available Tests: For Reference Materials where property values do not meet the statistical criteria, the summary values have not been provided. For this reason, not all tests will be available for every Reference Material of the same matrix. However, if there are 3 or more data points available, an Assigned Value will be provided with the corresponding QC material.

Sample Sizes: Available sample sizes are shown for reference materials.

Note: When ordering QC materials, please quote both the Product ID AND the process run

QC Material: Water - Effluent Water - Base

Matrix: Water	Product ID	13335-QC	13336-QC
	Process Run	PR9850	PR9850
	Expiry Date	27 Mar 22	27 Mar 22
	Sample Size	860mL	860mL
	pH - Standard (pH units)	7.83	6.99

QC Material: Water - Effluent Water - Trace Elements

Matrix: Water	Product ID	13339-QC
	Process Run	PR9850
	Expiry Date	27 Mar 22
	Sample Size	200mL
	Antimony (mg/L)	0.159
	Arsenic (mg/L)	0.0810
	Barium (mg/L)	0.0440
	Cadmium (mg/L)	0.00800
	Chromium (mg/L)	0.0150
	Cobalt (mg/L)	0.0216
	Copper (mg/L)	0.0135
	Lead (mg/L)	0.0176
	Manganese (mg/L)	0.0201
	Mercury (mg/L)	0.0574
	Molybdenum (mg/L)	0.0104
	Nickel (mg/L)	0.01000
	Selenium (mg/L)	0.0511
	Strontium (mg/L)	0.0219
	Zinc (mg/L)	0.0560

QC Material: Water - Seawater - Trace Elements

Matrix: Water	Product ID	12957-QC	12958-QC
	Process Run	PR9824	PR9824
	Expiry Date	13 Mar 22	13 Mar 22
	Sample Size	200mL	200mL
	Antimony (mg/L)	0.00261	
	Boron (mg/L)	4.44	4.66
	Bromine (mg/L)	64.8	69.7
	Cadmium (mg/L)	0.00260	0.00308
	Chromium (mg/L)		0.00467
	Cobalt (mg/L)	0.00442	0.00569
	Copper (mg/L)	0.00513	0.00610
	Lead (mg/L)		0.00776
	Lithium (mg/L)	0.0182	
	Manganese (mg/L)	0.00592	
	Mercury (mg/L)	0.00161	
	Molybdenum (mg/L)	0.0140	0.0207
	Nickel (mg/L)	0.00250	0.00370
	Selenium (mg/L)		0.0220
	Strontium (mg/L)	1.02	1.09
	Vanadium (mg/L)	0.038	0.034