

Permit Number: EPR/PP3993VS

Operator: Atlantic Recycling

Facility: Atlantic Recycling

Form Number: Surfacewater1

Reporting of surface water monitoring for quarterly monitoring in November 2018

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.507	mg/l	TM099	28/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
Outfall	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	6.86	mg/l	TM045	28/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
Outfall	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	28/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
Outfall	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	135	mg/l	TM152	28/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
Outfall	Chloride	>300 mg/l	Monthly	36.5	mg/l	TM184	28/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.624	mS/cm	TM120	28/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
Outfall	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	28/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
Outfall	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	28/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
Outfall	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.71	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
Outfall	Nitrate as N	>1 mg/l	Monthly	0.585	mg/l	TM184	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
Outfall	Nitrite as N	>1 mg/l	Monthly	0.107	mg/l	TM184	28/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	7.14	mg/l	TM187	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
Outfall	pH	6.8 – 8.5	Monthly	7.86	pH Units	TM256	28/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
Outfall	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	<0.05	mg/l	TM184	28/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
Outfall	Sulphate	>300 mg/l	Monthly	180	mg/l	TM184	28/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
Outfall	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	173	mg/l	TM022	28/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
Outfall	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	284	ug/l	TM174	28/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	175	ug/l	TM174	28/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
Outfall	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.693	mg/l	TM184	28/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
Outfall	Zinc (tot.unfilt)	>1 mg/l	Monthly	121	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW04	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	1.63	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW04	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.44	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW04	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	116	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW04	Chloride	>300 mg/l	Monthly	100	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW04	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.887	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW04	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW04	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW04	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.59	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW04	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW04	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	3.47	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW04	pH	6.8 – 8.5	Monthly	7.5	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW04	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.923	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW04	Sulphate	>300 mg/l	Monthly	103	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	17	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW04	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	30	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW04	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	13	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW04	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW04	Zinc (tot.unfilt)	>1 mg/l	Monthly	30.9	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW05	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.566	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.41	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW05	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW05	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	183	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW05	Chloride	>300 mg/l	Monthly	161	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW05	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.29	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW05	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW05	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.7	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW05	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW05	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW05	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	1.67	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW05	pH	6.8 – 8.5	Monthly	7.4	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.756	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW05	Sulphate	>300 mg/l	Monthly	222	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW05	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	10.5	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW05	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW05	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW05	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	Zinc (tot.unfilt)	>1 mg/l	Monthly	5.67	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW06	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.524	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW06	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.72	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW06	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW06	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	197	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW06	Chloride	>300 mg/l	Monthly	179	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.43	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW06	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW06	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW06	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.67	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW06	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW06	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	1.67	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW06	pH	6.8 – 8.5	Monthly	7.38	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW06	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.823	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW06	Sulphate	>300 mg/l	Monthly	267	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW06	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	14.5	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW06	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW06	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW06	Zinc (tot.unfilt)	>1 mg/l	Monthly	10.9	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW07	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.745	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW07	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	5.02	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW07	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	180	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW07	Chloride	>300 mg/l	Monthly	166	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW07	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.32	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW07	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW07	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW07	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.78	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW07	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW07	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.54	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW07	pH	6.8 – 8.5	Monthly	7.41	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW07	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.555	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW07	Sulphate	>300 mg/l	Monthly	226	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	25.5	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW07	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW07	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW07	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW07	Zinc (tot.unfilt)	>1 mg/l	Monthly	8.95	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW08	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.665	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<1	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW08	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW08	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	191	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW08	Chloride	>300 mg/l	Monthly	175	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW08	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.36	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW08	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW08	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.67	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW08	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW08	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW08	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	1.83	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW08	pH	6.8 – 8.5	Monthly	7.48	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.428	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW08	Sulphate	>300 mg/l	Monthly	224	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW08	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	4.5	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW08	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW08	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW08	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	Zinc (tot.unfilt)	>1 mg/l	Monthly	<5	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW09	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	1.09	mg/l	TM099	28/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW09	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	5.8	mg/l	TM045	28/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW09	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	28/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW09	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	155	mg/l	TM152	28/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW09	Chloride	>300 mg/l	Monthly	74.2	mg/l	TM184	28/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.857	mS/cm	TM120	28/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW09	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	28/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW09	Lead (diss.filt)	>0.25 mg/l	Monthly	0.471	ug/l	TM152	28/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW09	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.19	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW09	Nitrate as N	>1 mg/l	Monthly	0.474	mg/l	TM184	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW09	Nitrite as N	>1 mg/l	Monthly	0.0849	mg/l	TM184	28/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	3.37	mg/l	TM187	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW09	pH	6.8 – 8.5	Monthly	7.6	pH Units	TM256	28/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW09	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.109	mg/l	TM184	28/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW09	Sulphate	>300 mg/l	Monthly	209	mg/l	TM184	28/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW09	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	45.5	mg/l	TM022	28/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW09	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	41	ug/l	TM174	28/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	32	ug/l	TM174	28/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW09	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.56	mg/l	TM184	28/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW09	Zinc (tot.unfilt)	>1 mg/l	Monthly	40.5	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW10	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	1.63	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW10	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	22.3	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW10	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	1.41	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	409	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW10	Chloride	>300 mg/l	Monthly	176	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW10	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.51	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW10	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW10	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW10	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.33	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW10	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW10	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	<0.3	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW10	pH	6.8 – 8.5	Monthly	7.4	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW10	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	1.08	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW10	Sulphate	>300 mg/l	Monthly	329	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	318	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW10	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	300	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW10	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	156	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW10	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW10	Zinc (tot.unfilt)	>1 mg/l	Monthly	405	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW11	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	7.87	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	8.05	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW11	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW11	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	330	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW11	Chloride	>300 mg/l	Monthly	189	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW11	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.88	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW11	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	Lead (diss.filt)	>0.25 mg/l	Monthly	0.491	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW11	Nickel (diss.filt)	>0.1 mg/l	Monthly	9.75	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW11	Nitrate as N	>1 mg/l	Monthly	0.088	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW11	Nitrite as N	>1 mg/l	Monthly	0.0298	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW11	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.61	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW11	pH	6.8 – 8.5	Monthly	7.54	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.316	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW11	Sulphate	>300 mg/l	Monthly	570	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW11	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	11	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW11	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW11	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW11	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.118	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	Zinc (tot.unfilt)	>1 mg/l	Monthly	20.5	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW12	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.78	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW12	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.06	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW12	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW12	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	195	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW12	Chloride	>300 mg/l	Monthly	132	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.27	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW12	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW12	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW12	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.41	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW12	Nitrate as N	>1 mg/l	Monthly	0.199	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW12	Nitrite as N	>1 mg/l	Monthly	0.0286	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	3.63	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW12	pH	6.8 – 8.5	Monthly	7.67	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW12	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.7	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW12	Sulphate	>300 mg/l	Monthly	293	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW12	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	5	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW12	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW12	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.227	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW12	Zinc (tot.unfilt)	>1 mg/l	Monthly	<5	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW13	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	4.07	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW13	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.24	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW13	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	173	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW13	Chloride	>300 mg/l	Monthly	110	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW13	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.33	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW13	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW13	Lead (diss.filt)	>0.25 mg/l	Monthly	0.415	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW13	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.94	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW13	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW13	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	0.68	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW13	pH	6.8 – 8.5	Monthly	7.52	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW13	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	3.83	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW13	Sulphate	>300 mg/l	Monthly	117	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	7.5	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW13	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	104000	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW13	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	14600	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW13	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW13	Zinc (tot.unfilt)	>1 mg/l	Monthly	181	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW15	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.525	mg/l	TM099	28/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3	mg/l	TM045	28/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW15	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	28/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW15	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	217	mg/l	TM152	28/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW15	Chloride	>300 mg/l	Monthly	154	mg/l	TM184	28/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW15	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.39	mS/cm	TM120	28/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW15	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	28/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	28/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW15	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.15	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW15	Nitrate as N	>1 mg/l	Monthly	0.445	mg/l	TM184	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW15	Nitrite as N	>1 mg/l	Monthly	0.0298	mg/l	TM184	28/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW15	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.63	mg/l	TM187	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW15	pH	6.8 – 8.5	Monthly	7.58	pH Units	TM256	28/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.445	mg/l	TM184	28/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW15	Sulphate	>300 mg/l	Monthly	375	mg/l	TM184	28/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW15	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	19	mg/l	TM022	28/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW15	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	28/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW15	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	28/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW15	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.475	mg/l	TM184	28/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	Zinc (tot.unfilt)	>1 mg/l	Monthly	25	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW16	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.436	mg/l	TM099	28/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW16	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.47	mg/l	TM045	28/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW16	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	28/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable
SW16	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	176	mg/l	TM152	28/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW16	Chloride	>300 mg/l	Monthly	150	mg/l	TM184	28/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.28	mS/cm	TM120	28/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW16	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	28/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW16	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	28/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW16	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.71	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable
SW16	Nitrate as N	>1 mg/l	Monthly	0.209	mg/l	TM184	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW16	Nitrite as N	>1 mg/l	Monthly	0.031	mg/l	TM184	28/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	6.37	mg/l	TM187	28/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW16	pH	6.8 – 8.5	Monthly	7.64	pH Units	TM256	28/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW16	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.496	mg/l	TM184	28/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW16	Sulphate	>300 mg/l	Monthly	263	mg/l	TM184	28/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable
SW16	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	28	mg/l	TM022	28/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW16	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	28/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	28/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW16	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.24	mg/l	TM184	28/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW16	Zinc (tot.unfilt)	>1 mg/l	Monthly	20.7	ug/l	TM152	28/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable
SW17	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.812	mg/l	TM099	26/11/2018	Lab Precision: 1.3%, Bias: 0.3%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW17	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.68	mg/l	TM045	26/11/2018	Lab Precision: 5.9%, Bias: 1.6%, Expanded Uncertainty: 13.4%, Sampling Immeasurable
SW17	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	26/11/2018	Lab Precision: 3%, Bias: 1.3%, Expanded Uncertainty: 7.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	243	mg/l	TM152	26/11/2018	Lab Precision: 3.3%, Bias: 2.4%, Expanded Uncertainty: 9%, Sampling Immeasurable
SW17	Chloride	>300 mg/l	Monthly	200	mg/l	TM184	26/11/2018	Lab Precision: 1.7%, Bias: 5.5%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW17	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.72	mS/cm	TM120	26/11/2018	Lab Precision: 0.7%, Bias: 3%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW17	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	26/11/2018	Lab Precision: 11.5%, Bias: 6%, Expanded Uncertainty: 29%, Sampling Immeasurable
SW17	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	26/11/2018	Lab Precision: 2.5%, Bias: 1.3%, Expanded Uncertainty: 6.4%, Sampling Immeasurable
SW17	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.5	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 0.1%, Expanded Uncertainty: 5.4%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW17	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	26/11/2018	Lab Precision: 1.1%, Bias: -0.9%, Expanded Uncertainty: 3%, Sampling Immeasurable
SW17	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	<0.3	mg/l	TM187	26/11/2018	Lab Precision: N/A, Sampling Immeasurable
SW17	pH	6.8 – 8.5	Monthly	7.44	pH Units	TM256	26/11/2018	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.1%, Sampling Immeasurable
SW17	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.577	mg/l	TM184	26/11/2018	Lab Precision: 1%, Bias: 1.7%, Expanded Uncertainty: 3.7%, Sampling Immeasurable
SW17	Sulphate	>300 mg/l	Monthly	402	mg/l	TM184	26/11/2018	Lab Precision: 2.2%, Bias: 4.6%, Expanded Uncertainty: 9.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	8.5	mg/l	TM022	26/11/2018	Lab Precision: 0.9%, Bias: -1.1%, Expanded Uncertainty: 2.9%, Sampling Immeasurable
SW17	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	88	ug/l	TM174	26/11/2018	Lab Precision: 8.8%, Bias: -1.7%, Expanded Uncertainty: 19.2%, Sampling Immeasurable
SW17	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	26/11/2018	Lab Precision: 8.3%, Bias: -8.4%, Expanded Uncertainty: 24.9%, Sampling Immeasurable
SW17	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	26/11/2018	Lab Precision: 2.4%, Bias: 5.5%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW17	Zinc (tot.unfilt)	>1 mg/l	Monthly	15.3	ug/l	TM152	26/11/2018	Lab Precision: 2.7%, Bias: 2.3%, Expanded Uncertainty: 7.6%, Sampling Immeasurable

- [1] The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum - maximum' measured values.
- [2] Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Environment Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, for example gas chromatography.
- [3] For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.
- [4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.



Signed.....

Date: January 2019

(Authorised to sign as representative of Operator)

Ahlim Hashm on behalf of Atlantic Recycling
Permit Number: EPR/PP3993VS