

Permit Number: EPR/PP3993VS

Operator: Atlantic Recycling

Facility: Atlantic Recycling

Form Number: Surfacewater1

### Reporting of surface water monitoring for quarterly monitoring in May 2019

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
OF	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	3.51	mg/l	TM099	23/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
OF	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	4.49	mg/l	TM045	23/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
OF	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	23/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
OF	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	172	mg/l	TM152	23/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
OF	Chloride	>300 mg/l	Monthly	87.9	mg/l	TM184	23/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
OF	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.09	mS/cm	TM120	23/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
OF	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	23/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
OF	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	23/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
OF	Nickel (diss.filt)	>0.1 mg/l	Monthly	4.48	ug/l	TM152	23/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
OF	Nitrate as N	>1 mg/l	Monthly	0.226	mg/l	TM184	23/05/2019	Lab Precision: N/A, Sampling Immeasurable
OF	Nitrite as N	>1 mg/l	Monthly	0.0393	mg/l	TM184	23/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
OF	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.07	mg/l	TM187	23/05/2019	Lab Precision: N/A, Sampling Immeasurable
OF	pH	6.8 – 8.5	Monthly	8.14	pH Units	TM256	23/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
OF	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.078	mg/l	TM184	23/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
OF	Sulphate	>300 mg/l	Monthly	271	mg/l	TM184	23/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
OF	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	23/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
OF	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	23/05/2019	Lab Precision: 8.3%, Bias: -1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
OF	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	23/05/2019	Lab Precision: 7.6%, Bias: -8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
OF	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.265	mg/l	TM184	23/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
OF	Zinc (tot.unfilt)	>1 mg/l	Monthly	17.5	ug/l	TM152	23/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW04	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW04	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW04	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW04	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	71.2	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW04	Chloride	>300 mg/l	Monthly	36.8	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW04	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.592	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW04	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW04	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW04	Nickel (diss.filt)	>0.1 mg/l	Monthly	0.64	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW04	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW04	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW04	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	3.16	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW04	pH	6.8 – 8.5	Monthly	7.8	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW04	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.238	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW04	Sulphate	>300 mg/l	Monthly	30.9	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW04	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	120	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW04	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: -1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW04	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: -8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW04	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW04	Zinc (tot.unfilt)	>1 mg/l	Monthly	7.96	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW05	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.223	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW05	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.22	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW05	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW05	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	84.7	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW05	Chloride	>300 mg/l	Monthly	53.7	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW05	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.657	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable



Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW05	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW05	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW05	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.21	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW05	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW05	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW05	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.47	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW05	pH	6.8 – 8.5	Monthly	8.24	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW05	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.159	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW05	Sulphate	>300 mg/l	Monthly	66	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW05	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	11.3	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: - 0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW05	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: - 1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW05	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: - 8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW05	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW05	Zinc (tot.unfilt)	>1 mg/l	Monthly	<5	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW06	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW06	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.52	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW06	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW06	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	117	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW06	Chloride	>300 mg/l	Monthly	92.5	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW06	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.86	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW06	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW06	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW06	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.59	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW06	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW06	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW06	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	7.65	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW06	pH	6.8 – 8.5	Monthly	8.23	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW06	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.331	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW06	Sulphate	>300 mg/l	Monthly	112	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW06	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	35.3	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
		occasions)						
SW06	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: -1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW06	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: -8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW06	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW06	Zinc (tot.unfilt)	>1 mg/l	Monthly	9.6	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW07	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW07	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.55	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW07	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW07	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	110	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW07	Chloride	>300 mg/l	Monthly	71	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW07	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.808	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW07	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW07	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW07	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.84	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW07	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW07	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW07	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	4.03	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW07	pH	6.8 – 8.5	Monthly	8.18	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable



Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW07	Phosphate (Ortho as PO4)	>1 mg/l	Monthly	0.647	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW07	Sulphate	>300 mg/l	Monthly	124	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW07	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	51.5	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW07	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: -1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW07	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: -8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW07	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW07	Zinc (tot.unfilt)	>1 mg/l	Monthly	36.7	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW08	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW08	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.25	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW08	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW08	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	80.2	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW08	Chloride	>300 mg/l	Monthly	45.9	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW08	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.588	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW08	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW08	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW08	Nickel (diss.filt)	>0.1 mg/l	Monthly	0.857	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW08	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW08	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW08	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.29	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW08	pH	6.8 – 8.5	Monthly	7.86	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW08	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.119	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW08	Sulphate	>300 mg/l	Monthly	52	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW08	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	9	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: - 0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW08	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: - 1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW08	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: - 8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW08	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW08	Zinc (tot.unfilt)	>1 mg/l	Monthly	<5	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW09	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	1.04	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW09	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	24.3	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW09	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW09	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	157	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW09	Chloride	>300 mg/l	Monthly	79.1	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW09	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.962	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW09	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW09	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW09	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.07	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW09	Nitrate as N	>1 mg/l	Monthly	0.0714	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW09	Nitrite as N	>1 mg/l	Monthly	0.0295	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW09	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	6.47	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW09	pH	6.8 – 8.5	Monthly	8.12	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW09	Phosphate (Ortho as PO4)	>1 mg/l	Monthly	0.069	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW09	Sulphate	>300 mg/l	Monthly	227	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW09	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	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW09	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: -1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW09	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: -8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW09	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.101	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW09	Zinc (tot.unfilt)	>1 mg/l	Monthly	5.88	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable



Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW10	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	10.9	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW10	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	19.5	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW10	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW10	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	222	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW10	Chloride	>300 mg/l	Monthly	92.1	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW10	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.41	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW10	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW10	Lead (diss.filt)	>0.25 mg/l	Monthly	0.684	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW10	Nickel (diss.filt)	>0.1 mg/l	Monthly	5.52	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW10	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW10	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW10	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	<0.3	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW10	pH	6.8 – 8.5	Monthly	7.62	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW10	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	1.18	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW10	Sulphate	>300 mg/l	Monthly	388	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW10	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	38	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: - 0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW10	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: - 1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW10	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	26	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: - 8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW10	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW10	Zinc (tot.unfilt)	>1 mg/l	Monthly	27.8	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW11	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	16.9	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW11	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	16.5	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW11	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW11	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	257	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW11	Chloride	>300 mg/l	Monthly	128	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW11	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.59	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW11	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW11	Lead (diss.filt)	>0.25 mg/l	Monthly	0.256	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW11	Nickel (diss.filt)	>0.1 mg/l	Monthly	7.08	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW11	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW11	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW11	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	<0.3	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW11	pH	6.8 – 8.5	Monthly	7.88	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW11	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	2.03	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW11	Sulphate	>300 mg/l	Monthly	455	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW11	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	8	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
		occasions)						
SW11	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: - 1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW11	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: - 8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW11	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW11	Zinc (tot.unfilt)	>1 mg/l	Monthly	19.6	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW12	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW12	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	5.62	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW12	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW12	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	196	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW12	Chloride	>300 mg/l	Monthly	194	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW12	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.45	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW12	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable



Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW12	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW12	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.46	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW12	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW12	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW12	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	9.5	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW12	pH	6.8 – 8.5	Monthly	7.74	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW12	Phosphate (Ortho as PO4)	>1 mg/l	Monthly	1.63	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW12	Sulphate	>300 mg/l	Monthly	292	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW12	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	12	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW12	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: -1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW12	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: -8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW12	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW12	Zinc (tot.unfilt)	>1 mg/l	Monthly	7.5	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW13	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.355	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW13	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	4.46	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW13	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW13	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	135	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW13	Chloride	>300 mg/l	Monthly	97.9	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW13	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.02	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW13	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW13	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW13	Nickel (diss.filt)	>0.1 mg/l	Monthly	4.91	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW13	Nitrate as N	>1 mg/l	Monthly	0.375	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW13	Nitrite as N	>1 mg/l	Monthly	0.0347	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW13	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.98	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW13	pH	6.8 – 8.5	Monthly	7.99	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW13	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	1.87	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW13	Sulphate	>300 mg/l	Monthly	53.4	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW13	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	33.5	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW13	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	384	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: - 1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW13	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: - 8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW13	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.41	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW13	Zinc (tot.unfilt)	>1 mg/l	Monthly	12.3	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW15	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW15	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	8.45	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW15	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW15	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	203	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW15	Chloride	>300 mg/l	Monthly	137	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW15	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.48	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW15	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW15	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW15	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.54	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW15	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW15	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW15	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.38	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW15	pH	6.8 – 8.5	Monthly	7.92	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW15	Phosphate (Ortho as PO4)	>1 mg/l	Monthly	0.603	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable



Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW15	Sulphate	>300 mg/l	Monthly	367	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW15	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	19.3	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW15	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: -1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW15	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: -8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW15	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW15	Zinc (tot.unfilt)	>1 mg/l	Monthly	5.1	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW16	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW16	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	4.86	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW16	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW16	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	198	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable
SW16	Chloride	>300 mg/l	Monthly	135	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW16	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.47	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW16	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW16	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW16	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.67	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW16	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW16	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW16	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.58	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW16	pH	6.8 – 8.5	Monthly	8.07	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW16	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.409	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW16	Sulphate	>300 mg/l	Monthly	348	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW16	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	41	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: - 0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable
SW16	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: - 1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW16	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: - 8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW16	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW16	Zinc (tot.unfilt)	>1 mg/l	Monthly	14.9	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, Sampling Immeasurable
SW17	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	22/05/2019	Lab Precision: 1.5%, Bias: 1.6%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW17	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.48	mg/l	TM045	22/05/2019	Lab Precision: 6%, Bias: 5.1%, Expanded Uncertainty: 17.1%, Sampling Immeasurable
SW17	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	22/05/2019	Lab Precision: 2.7%, Bias: 3.1%, Expanded Uncertainty: 8.6%, Sampling Immeasurable
SW17	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	146	mg/l	TM152	22/05/2019	Lab Precision: 2.8%, Bias: 1%, Expanded Uncertainty: 6.6%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW17	Chloride	>300 mg/l	Monthly	126	mg/l	TM184	22/05/2019	Lab Precision: 2.7%, Bias: 4.2%, Expanded Uncertainty: 9.6%, Sampling Immeasurable
SW17	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.14	mS/cm	TM120	22/05/2019	Lab Precision: 0.7%, Bias: 3.3%, Expanded Uncertainty: 4.6%, Sampling Immeasurable
SW17	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	22/05/2019	Lab Precision: 9.8%, Bias: 3.8%, Expanded Uncertainty: 23.4%, Sampling Immeasurable
SW17	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.7%, Expanded Uncertainty: 7.9%, Sampling Immeasurable
SW17	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.01	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 1.1%, Expanded Uncertainty: 7.2%, Sampling Immeasurable
SW17	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	22/05/2019	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
SW17	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	22/05/2019	Lab Precision: 1.1%, Bias: 0%, Expanded Uncertainty: 2.3%, Sampling Immeasurable
SW17	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	7.06	mg/l	TM187	22/05/2019	Lab Precision: N/A, Sampling Immeasurable
SW17	pH	6.8 – 8.5	Monthly	8.28	pH Units	TM256	22/05/2019	Lab Precision: 0%, Bias: 0.1%, Expanded Uncertainty: 0.2%, Sampling Immeasurable
SW17	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.32	mg/l	TM184	22/05/2019	Lab Precision: 1.2%, Bias: 2.6%, Expanded Uncertainty: 5%, Sampling Immeasurable
SW17	Sulphate	>300 mg/l	Monthly	208	mg/l	TM184	22/05/2019	Lab Precision: 3.2%, Bias: 2.1%, Expanded Uncertainty: 8.4%, Sampling Immeasurable
SW17	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	20.7	mg/l	TM022	22/05/2019	Lab Precision: 0.9%, Bias: -0.9%, Expanded Uncertainty: 2.8%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result <sup>(1)</sup>	Unit	Test Method <sup>(2)</sup>	Sample Date and Time <sup>(3)</sup>	Uncertainty <sup>(4)</sup>
		occasions)						
SW17	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 8.3%, Bias: - 1.2%, Expanded Uncertainty: 17.8%, Sampling Immeasurable
SW17	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	22/05/2019	Lab Precision: 7.6%, Bias: - 8.9%, Expanded Uncertainty: 24.2%, Sampling Immeasurable
SW17	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	22/05/2019	Lab Precision: 2.6%, Bias: 5.1%, Expanded Uncertainty: 10.3%, Sampling Immeasurable
SW17	Zinc (tot.unfilt)	>1 mg/l	Monthly	7.49	ug/l	TM152	22/05/2019	Lab Precision: 3.1%, Bias: 2.8%, Expanded Uncertainty: 8.9%, 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: June 2019

(Authorised to sign as representative of Operator)

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