

Permit Number: EPR/PP3993VS

Operator: Atlantic Recycling Limited

Facility: Atlantic Recycling

Form Number: Surfacewater1

**Reporting of surface water monitoring for quarterly monitoring in August 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	0.755	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
OF	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.71	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
OF	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
OF	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	71.5	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
OF	Chloride	>300 mg/l	Monthly	39.2	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	0.529	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
OF	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
OF	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
OF	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.55	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
OF	Nitrate as N	>1 mg/l	Monthly	0.109	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
OF	Nitrite as N	>1 mg/l	Monthly	0.0606	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
OF	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.56	mg/l	TM187	15/08/2019	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>
OF	pH	6.8 – 8.5	Monthly	7.72	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
OF	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.41	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
OF	Sulphate	>300 mg/l	Monthly	72.7	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
OF	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	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
OF	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
OF	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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 Oxidised Nitrogen as N	>2 mg/l	Monthly	0.17	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
OF	Zinc (tot.unfilt)	>1 mg/l	Monthly	9.61	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, 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	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW04	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.43	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW04	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW04	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	48.3	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW04	Chloride	>300 mg/l	Monthly	20.6	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.333	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW04	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW04	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW04	Nickel (diss.filt)	>0.1 mg/l	Monthly	0.509	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW04	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW04	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW04	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.29	mg/l	TM187	15/08/2019	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>
SW04	pH	6.8 – 8.5	Monthly	7.41	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW04	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.242	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW04	Sulphate	>300 mg/l	Monthly	18.1	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW04	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	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW04	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW04	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW04	Zinc (tot.unfilt)	>1 mg/l	Monthly	32.2	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW05	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.441	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW05	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.94	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW05	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW05	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	68.9	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW05	Chloride	>300 mg/l	Monthly	63.3	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.511	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW05	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW05	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW05	Nickel (diss.filt)	>0.1 mg/l	Monthly	0.834	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW05	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW05	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW05	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	0.88	mg/l	TM187	15/08/2019	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	7.35	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW05	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.35	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW05	Sulphate	>300 mg/l	Monthly	35.8	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW05	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	6.5	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW05	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW05	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW05	Zinc (tot.unfilt)	>1 mg/l	Monthly	33.7	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW06	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.364	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW06	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.19	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW06	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW06	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	72.4	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW06	Chloride	>300 mg/l	Monthly	74.6	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.542	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW06	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW06	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW06	Nickel (diss.filt)	>0.1 mg/l	Monthly	0.714	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW06	Nitrate as N	>1 mg/l	Monthly	0.107	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW06	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW06	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	1.25	mg/l	TM187	15/08/2019	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	pH	6.8 – 8.5	Monthly	7.7	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW06	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.435	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW06	Sulphate	>300 mg/l	Monthly	35.5	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW06	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	12.5	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW06	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW06	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.11	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW06	Zinc (tot.unfilt)	>1 mg/l	Monthly	10.3	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW07	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.226	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW07	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.44	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW07	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW07	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	43.9	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW07	Chloride	>300 mg/l	Monthly	22	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.315	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW07	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW07	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW07	Nickel (diss.filt)	>0.1 mg/l	Monthly	0.685	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW07	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW07	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW07	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.54	mg/l	TM187	15/08/2019	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>
SW07	pH	6.8 – 8.5	Monthly	7.56	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW07	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.291	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW07	Sulphate	>300 mg/l	Monthly	19.6	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW07	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	26	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW07	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW07	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW07	Zinc (tot.unfilt)	>1 mg/l	Monthly	9.1	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW08	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.299	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW08	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.78	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW08	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW08	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	43.7	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW08	Chloride	>300 mg/l	Monthly	21.1	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	0.302	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW08	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW08	Lead (diss.filt)	>0.25 mg/l	Monthly	0.216	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW08	Nickel (diss.filt)	>0.1 mg/l	Monthly	0.748	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW08	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW08	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW08	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.06	mg/l	TM187	15/08/2019	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>
SW08	pH	6.8 – 8.5	Monthly	7.73	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW08	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.346	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW08	Sulphate	>300 mg/l	Monthly	18.4	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW08	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	24	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW08	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW08	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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 Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW08	Zinc (tot.unfilt)	>1 mg/l	Monthly	23.4	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW09	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.364	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW09	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.7	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW09	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW09	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	62	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW09	Chloride	>300 mg/l	Monthly	31.2	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.428	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW09	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW09	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW09	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.19	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW09	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW09	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW09	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.38	mg/l	TM187	15/08/2019	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>
SW09	pH	6.8 – 8.5	Monthly	8.34	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW09	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.31	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW09	Sulphate	>300 mg/l	Monthly	51.2	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW09	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	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW09	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW09	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW09	Zinc (tot.unfilt)	>1 mg/l	Monthly	6.27	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW10	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	1.57	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW10	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.41	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW10	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW10	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	78.4	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW10	Chloride	>300 mg/l	Monthly	36.9	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.531	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW10	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW10	Lead (diss.filt)	>0.25 mg/l	Monthly	0.453	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW10	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.81	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW10	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW10	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW10	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.91	mg/l	TM187	15/08/2019	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	7.94	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW10	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.75	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW10	Sulphate	>300 mg/l	Monthly	74.9	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW10	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	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW10	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW10	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW10	Zinc (tot.unfilt)	>1 mg/l	Monthly	28.3	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW11	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	5.65	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW11	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	36.5	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW11	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	0.727	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW11	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	185	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW11	Chloride	>300 mg/l	Monthly	53.4	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.998	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW11	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW11	Lead (diss.filt)	>0.25 mg/l	Monthly	14.3	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW11	Nickel (diss.filt)	>0.1 mg/l	Monthly	7.68	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW11	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW11	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW11	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	1.79	mg/l	TM187	15/08/2019	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	pH	6.8 – 8.5	Monthly	7.19	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW11	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.135	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW11	Sulphate	>300 mg/l	Monthly	342	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW11	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	62.5	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW11	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	142	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW11	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW11	Zinc (tot.unfilt)	>1 mg/l	Monthly	159	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, 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	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW12	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3.65	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW12	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW12	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	113	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW12	Chloride	>300 mg/l	Monthly	136	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.944	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW12	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW12	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW12	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.59	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW12	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW12	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW12	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	7.05	mg/l	TM187	15/08/2019	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>
SW12	pH	6.8 – 8.5	Monthly	8.12	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW12	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.581	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW12	Sulphate	>300 mg/l	Monthly	138	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW12	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	9.5	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW12	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW12	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW12	Zinc (tot.unfilt)	>1 mg/l	Monthly	<5	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW13	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	1.55	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW13	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	5.41	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW13	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW13	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	159	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW13	Chloride	>300 mg/l	Monthly	80.6	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	1.11	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW13	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW13	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW13	Nickel (diss.filt)	>0.1 mg/l	Monthly	4.49	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW13	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW13	Nitrite as N	>1 mg/l	Monthly	0.0161	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW13	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	0.41	mg/l	TM187	15/08/2019	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>
SW13	pH	6.8 – 8.5	Monthly	8.53	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW13	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	4.36	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW13	Sulphate	>300 mg/l	Monthly	81	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW13	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	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW13	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW13	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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 Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW13	Zinc (tot.unfilt)	>1 mg/l	Monthly	21.9	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW15	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.518	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW15	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.37	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW15	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW15	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	169	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW15	Chloride	>300 mg/l	Monthly	190	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.24	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW15	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW15	Lead (diss.filt)	>0.25 mg/l	Monthly	0.246	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW15	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.31	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW15	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW15	Nitrite as N	>1 mg/l	Monthly	0.0362	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW15	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	3.76	mg/l	TM187	15/08/2019	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>
SW15	pH	6.8 – 8.5	Monthly	8.39	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW15	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.904	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW15	Sulphate	>300 mg/l	Monthly	199	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW15	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	12.5	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW15	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW15	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW15	Zinc (tot.unfilt)	>1 mg/l	Monthly	11.5	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, Sampling Immeasurable
SW16	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.29	mg/l	TM099	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW16	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	5.82	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW16	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW16	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	164	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW16	Chloride	>300 mg/l	Monthly	175	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.22	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW16	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW16	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW16	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.69	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW16	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW16	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW16	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	4.92	mg/l	TM187	15/08/2019	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	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW16	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	1.23	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW16	Sulphate	>300 mg/l	Monthly	193	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW16	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	15	mg/l	TM022	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW16	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW16	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW16	Zinc (tot.unfilt)	>1 mg/l	Monthly	14.2	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, 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	15/08/2019	Lab Precision: 1.81%, Bias: 0.72%, Expanded Uncertainty: 4.35%, Sampling Immeasurable
SW17	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.71	mg/l	TM045	15/08/2019	Lab Precision: 5.92%, Bias: 8.23%, Expanded Uncertainty: 20.06%, Sampling Immeasurable
SW17	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	15/08/2019	Lab Precision: 2.8%, Bias: -0.29%, Expanded Uncertainty: 5.88%, Sampling Immeasurable
SW17	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	118	mg/l	TM152	15/08/2019	Lab Precision: 3%, Bias: -0.08%, Expanded Uncertainty: 6.07%, Sampling Immeasurable
SW17	Chloride	>300 mg/l	Monthly	113	mg/l	TM184	15/08/2019	Lab Precision: 3.62%, Bias: 3.52%, Expanded Uncertainty: 10.77%, 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	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.856	mS/cm	TM120	15/08/2019	Lab Precision: 0.6%, Bias: 3.19%, Expanded Uncertainty: 4.4%, Sampling Immeasurable
SW17	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	15/08/2019	Lab Precision: 12.21%, Bias: 4.78%, Expanded Uncertainty: 29.2%, Sampling Immeasurable
SW17	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	15/08/2019	Lab Precision: 2.61%, Bias: 1.81%, Expanded Uncertainty: 7.04%, Sampling Immeasurable
SW17	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.13	ug/l	TM152	15/08/2019	Lab Precision: 2.98%, Bias: 0.19%, Expanded Uncertainty: 6.15%, Sampling Immeasurable
SW17	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	15/08/2019	Lab Precision: N/A, Sampling Immeasurable
SW17	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	15/08/2019	Lab Precision: 1.26%, Bias: -0.61%, Expanded Uncertainty: 3.13%, Sampling Immeasurable
SW17	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	3.62	mg/l	TM187	15/08/2019	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	pH	6.8 – 8.5	Monthly	7.87	pH Units	TM256	15/08/2019	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW17	Phosphate (Ortho as PO <sub>4</sub> )	>1 mg/l	Monthly	0.23	mg/l	TM184	15/08/2019	Lab Precision: 1.71%, Bias: 3.09%, Expanded Uncertainty: 6.5%, Sampling Immeasurable
SW17	Sulphate	>300 mg/l	Monthly	138	mg/l	TM184	15/08/2019	Lab Precision: 2.47%, Bias: -0.99%, Expanded Uncertainty: 5.92%, Sampling Immeasurable
SW17	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	15/08/2019	Lab Precision: 1.17%, Bias: -0.95%, Expanded Uncertainty: 3.3%, Sampling Immeasurable
SW17	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 9.53%, Bias: 4.87%, Expanded Uncertainty: 23.92%, Sampling Immeasurable
SW17	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	15/08/2019	Lab Precision: 7.57%, Bias: -9%, Expanded Uncertainty: 24.15%, 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	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	15/08/2019	Lab Precision: 3.08%, Bias: 3.61%, Expanded Uncertainty: 9.77%, Sampling Immeasurable
SW17	Zinc (tot.unfilt)	>1 mg/l	Monthly	6.39	ug/l	TM152	15/08/2019	Lab Precision: 2.44%, Bias: 2.34%, Expanded Uncertainty: 7.23%, 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: September 2019

(Authorised to sign as representative of Operator)

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