

Permit Number: EPR/PP3993VS

Operator: Atlantic Recycling

Facility: Atlantic Recycling

Form Number: Surfacewater1

Reporting of surface water monitoring for quarterly monitoring in August 2018

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	18.5	mg/l	TM022	16/8/2018 15:05	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
Outfall	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	5.93	mg/l	TM045	16/8/2018 15:05	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
Outfall	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	1.48	mg/l	TM099	16/8/2018 15:05	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
Outfall	Conductivity	>2000 µS/cm	Monthly	0.785	mS/cm	TM120	16/8/2018 15:05	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Lead (diss.filt)	>0.25 mg/l	Monthly	0.839	µg/l	TM152	16/8/2018 15:05	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
Outfall	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.6	µg/l	TM152	16/8/2018 15:05	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
Outfall	EPH Range >C10-C40 (aq)	>2 mg/l	Monthly	312	µg/l	TM172	16/8/2018 15:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
Outfall	EPH Range >C10-C20 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	16/8/2018 15:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
Outfall	EPH Range >C20-C30 (aq)	>2 mg/l	Monthly	103	µg/l	TM172	16/8/2018 15:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
Outfall	EPH Range >C30-C40 (aq)	>2 mg/l	Monthly	132	µg/l	TM172	16/8/2018 15:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Sulphate	>300 mg/l	Monthly	207	mg/l	TM184	16/8/2018 15:05	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
Outfall	Chloride	>300 mg/l	Monthly	55.6	mg/l	TM184	16/8/2018 15:05	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
Outfall	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	16/8/2018 15:05	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
Outfall	Phosphate (ortho) as PO ₄	>1 mg/l	Monthly	0.159	mg/l	TM184	16/8/2018 15:05	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
Outfall	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	16/8/2018 15:05	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
Outfall	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	16/8/2018 15:05	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	1.22	mg/l	TM187	16/8/2018 15:05	Lab: Unknown. Sampling: Immeasurable
Outfall	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	µg/l	TM152	16/8/2018 15:05	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
Outfall	Zinc (tot.unfilt)	>1 mg/l	Monthly	33.6	µg/l	TM152	16/8/2018 15:05	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
Outfall	Calcium (tot.unfilt)	>300 mg/l	Monthly	155	mg/l	TM152	16/8/2018 15:05	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
Outfall	pH	6.8 ÷ 8.5	Monthly	7.51	pH Units	TM256	16/8/2018 15:05	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
Outfall	GRO >C5-C12	>2 mg/l	Monthly	<50	µg/l	TM245	16/8/2018 15:05	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	<6	mg/l	TM022	17/08/2018 16:00	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW04	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.72	mg/l	TM045	17/08/2018 16:00	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW04	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.41	mg/l	TM099	17/08/2018 16:00	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW04	Conductivity	>2000 µS/cm	Quarterly	0.357	mS/cm	TM120	17/08/2018 16:00	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW04	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	17/08/2018 16:00	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Nickel (diss.filt)	>0.1 mg/l	Quarterly	0.631	µg/l	TM152	17/08/2018 16:00	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW04	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	124	µg/l	TM172	17/08/2018 16:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW04	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	17/08/2018 16:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW04	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	17/08/2018 16:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW04	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	17/08/2018 16:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW04	Sulphate	>300 mg/l	Quarterly	28.8	mg/l	TM184	17/08/2018 16:00	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Chloride	>300 mg/l	Quarterly	23.1	mg/l	TM184	17/08/2018 16:00	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW04	Nitrite as N	>1 mg/l	Quarterly	0.018	mg/l	TM184	17/08/2018 16:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW04	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.531	mg/l	TM184	17/08/2018 16:00	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW04	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	17/08/2018 16:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW04	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	17/08/2018 16:00	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW04	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.81	mg/l	TM187	17/08/2018 16:00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	17/08/2018 16:00	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW04	Zinc (tot.unfilt)	>1 mg/l	Quarterly	9.68	µg/l	TM152	17/08/2018 16:00	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW04	Calcium (tot.unfilt)	>300 mg/l	Quarterly	47.7	mg/l	TM152	17/08/2018 16:00	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW04	pH	6.8 ÷ 8.5	Quarterly	7.95	pH Units	TM256	17/08/2018 16:00	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW04	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	17/08/2018 16:00	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW05	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4	Quarterly	5	mg/l	TM022	16/8/2018 12:30	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		consecutive occasions)						
SW05	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<3	mg/l	TM045	16/8/2018 12:30	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW05	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	1.05	mg/l	TM099	16/8/2018 12:30	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW05	Conductivity	>2000 µS/cm	Quarterly	0.504	mS/cm	TM120	16/8/2018 12:30	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW05	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.37	µg/l	TM152	16/8/2018 12:30	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW05	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.57	µg/l	TM152	16/8/2018 12:30	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	179	µg/l	TM172	16/8/2018 12:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW05	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW05	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW05	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW05	Sulphate	>300 mg/l	Quarterly	103	mg/l	TM184	16/8/2018 12:30	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW05	Chloride	>300 mg/l	Quarterly	36.6	mg/l	TM184	16/8/2018 12:30	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 12:30	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW05	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.522	mg/l	TM184	16/8/2018 12:30	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW05	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 12:30	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW05	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 12:30	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW05	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	<0.3	mg/l	TM187	16/8/2018 12:30	Lab: Unknown. Sampling: Immeasurable
SW05	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 12:30	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	Zinc (tot.unfilt)	>1 mg/l	Quarterly	10.8	µg/l	TM152	16/8/2018 12:30	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW05	Calcium (tot.unfilt)	>300 mg/l	Quarterly	90.6	mg/l	TM152	16/8/2018 12:30	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW05	pH	6.8 ÷ 8.5	Quarterly	7.76	pH Units	TM256	16/8/2018 12:30	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW05	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 12:30	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW06	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	5.5	mg/l	TM022	16/8/2018 12:45	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<0.3	mg/l	TM045	16/8/2018 12:45	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW06	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.495	mg/l	TM099	16/8/2018 12:45	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW06	Conductivity	>2000 µS/cm	Quarterly	0.43	mS/cm	TM120	16/8/2018 12:45	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW06	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.203	µg/l	TM152	16/8/2018 12:45	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW06	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.2	µg/l	TM152	16/8/2018 12:45	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW06	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	161	µg/l	TM172	16/8/2018 12:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW06	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW06	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW06	Sulphate	>300 mg/l	Quarterly	60.2	mg/l	TM184	16/8/2018 12:45	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW06	Chloride	>300 mg/l	Quarterly	31.4	mg/l	TM184	16/8/2018 12:45	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW06	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 12:45	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.758	mg/l	TM184	16/8/2018 12:45	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW06	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 12:45	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW06	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 12:45	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW06	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.25	mg/l	TM187	16/8/2018 12:45	Lab: Unknown. Sampling: Immeasurable
SW06	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 12:45	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW06	Zinc (tot.unfilt)	>1 mg/l	Quarterly	6.29	µg/l	TM152	16/8/2018 12:45	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	Calcium (tot.unfilt)	>300 mg/l	Quarterly	64.4	mg/l	TM152	16/8/2018 12:45	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW06	pH	6.8 ÷ 8.5	Quarterly	8.14	pH Units	TM256	16/8/2018 12:45	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW06	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 12:45	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW07	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	13	mg/l	TM022	16/8/2018 13:00	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW07	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	4.57	mg/l	TM045	16/8/2018 13:00	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.492	mg/l	TM099	16/8/2018 13:00	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW07	Conductivity	>2000 µS/cm	Quarterly	0.323	mS/cm	TM120	16/8/2018 13:00	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW07	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/8/2018 13:00	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW07	Nickel (diss.filt)	>0.1 mg/l	Quarterly	<0.4	µg/l	TM152	16/8/2018 13:00	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW07	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	138	µg/l	TM172	16/8/2018 13:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW07	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 13:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 13:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW07	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 13:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW07	Sulphate	>300 mg/l	Quarterly	27.7	mg/l	TM184	16/8/2018 13:00	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW07	Chloride	>300 mg/l	Quarterly	22.3	mg/l	TM184	16/8/2018 13:00	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW07	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 13:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW07	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.354	mg/l	TM184	16/8/2018 13:00	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 13:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW07	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 13:00	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW07	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.06	mg/l	TM187	16/8/2018 13:00	Lab: Unknown. Sampling: Immeasurable
SW07	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 13:00	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW07	Zinc (tot.unfilt)	>1 mg/l	Quarterly	14	µg/l	TM152	16/8/2018 13:00	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW07	Calcium (tot.unfilt)	>300 mg/l	Quarterly	47	mg/l	TM152	16/8/2018 13:00	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	pH	6.8 ÷ 8.5	Quarterly	7.65	pH Units	TM256	16/8/2018 13:00	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW07	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 13:00	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW08	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	10.5	mg/l	TM022	16/8/2018 13:30	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW08	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.47	mg/l	TM045	16/8/2018 13:30	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW08	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.228	mg/l	TM099	16/8/2018 13:30	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	Conductivity	>2000 µS/cm	Quarterly	0.298	mS/cm	TM120	16/8/2018 13:30	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW08	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/8/2018 13:30	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW08	Nickel (diss.filt)	>0.1 mg/l	Quarterly	<0.4	µg/l	TM152	16/8/2018 13:30	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW08	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	129	µg/l	TM172	16/8/2018 13:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW08	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 13:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW08	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 13:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 13:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW08	Sulphate	>300 mg/l	Quarterly	25.2	mg/l	TM184	16/8/2018 13:30	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW08	Chloride	>300 mg/l	Quarterly	21.3	mg/l	TM184	16/8/2018 13:30	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW08	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 13:30	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW08	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.525	mg/l	TM184	16/8/2018 13:30	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW08	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 13:30	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 13:30	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW08	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.5	mg/l	TM187	16/8/2018 13:30	Lab: Unknown. Sampling: Immeasurable
SW08	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 13:30	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW08	Zinc (tot.unfilt)	>1 mg/l	Quarterly	9.38	µg/l	TM152	16/8/2018 13:30	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW08	Calcium (tot.unfilt)	>300 mg/l	Quarterly	42.7	mg/l	TM152	16/8/2018 13:30	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW08	pH	6.8 ÷ 8.5	Quarterly	7.79	pH Units	TM256	16/8/2018 13:30	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 13:30	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW09	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	16/8/2018 14:45	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW09	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<3	mg/l	TM045	16/8/2018 14:45	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW09	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.622	mg/l	TM099	16/8/2018 14:45	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW09	Conductivity	>2000 µS/cm	Monthly	0.551	mS/cm	TM120	16/8/2018 14:45	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Lead (diss.filt)	>0.25 mg/l	Monthly	0.244	µg/l	TM152	16/8/2018 14:45	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW09	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.07	µg/l	TM152	16/8/2018 14:45	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW09	EPH Range >C10-C40 (aq)	>2 mg/l	Monthly	234	µg/l	TM172	16/8/2018 14:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW09	EPH Range >C10-C20 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	16/8/2018 14:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW09	EPH Range >C20-C30 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	16/8/2018 14:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW09	EPH Range >C30-C40 (aq)	>2 mg/l	Monthly	<100	µg/l	TM172	16/8/2018 14:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Sulphate	>300 mg/l	Monthly	119	mg/l	TM184	16/8/2018 14:45	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW09	Chloride	>300 mg/l	Monthly	40.5	mg/l	TM184	16/8/2018 14:45	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW09	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	16/8/2018 14:45	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW09	Phosphate (ortho) as PO ₄	>1 mg/l	Monthly	0.409	mg/l	TM184	16/8/2018 14:45	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW09	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	16/8/2018 14:45	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW09	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	16/8/2018 14:45	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	0.56	mg/l	TM046	16/8/2018 14:45	Lab: Unknown. Sampling: Immeasurable
SW09	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	µg/l	TM152	16/8/2018 14:45	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW09	Zinc (tot.unfilt)	>1 mg/l	Monthly	15.6	µg/l	TM152	16/8/2018 14:45	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW09	Calcium (tot.unfilt)	>300 mg/l	Monthly	100	mg/l	TM152	16/8/2018 14:45	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW09	pH	6.8 ÷ 8.5	Monthly	8.05	pH Units	TM256	16/8/2018 14:45	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW09	GRO>C5-12	>2 mg/l	Monthly	<50	µg/l	TM245	16/8/2018 14:45	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	112	mg/l	TM022	16/8/2018 10:00	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW10	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	7.81	mg/l	TM045	16/8/2018 10:00	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW10	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	4.37	mg/l	TM099	16/8/2018 10:00	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW10	Conductivity	>2000 µS/cm	Quarterly	1.2	mS/cm	TM120	16/8/2018 10:00	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW10	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.414	µg/l	TM152	16/8/2018 10:00	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Nickel (diss.filt)	>0.1 mg/l	Quarterly	5.84	µg/l	TM152	16/8/2018 10:00	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW10	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	471	µg/l	TM172	16/8/2018 10:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW10	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	167	µg/l	TM172	16/8/2018 10:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW10	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	182	µg/l	TM172	16/8/2018 10:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW10	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	122	µg/l	TM172	16/8/2018 10:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW10	Sulphate	>300 mg/l	Quarterly	397	mg/l	TM184	16/8/2018 10:00	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Chloride	>300 mg/l	Quarterly	81.5	mg/l	TM184	16/8/2018 10:00	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW10	Nitrite as N	>1 mg/l	Quarterly	<0.0152	8 mg/l	TM184	16/8/2018 10:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW10	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.99	5 mg/l	TM184	16/8/2018 10:00	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW10	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 10:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW10	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 10:00	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW10	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	<0.3	mg/l	TM187	16/8/2018 10:00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 10:00	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW10	Zinc (tot.unfilt)	>1 mg/l	Quarterly	50.4	µg/l	TM152	16/8/2018 10:00	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW10	Calcium (tot.unfilt)	>300 mg/l	Quarterly	241	mg/l	TM152	16/8/2018 10:00	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW10	pH	6.8 ÷ 8.5	Quarterly	8.11	pH Units	TM256	16/8/2018 10:00	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW10	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 10:00	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW11	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4	Quarterly	69	mg/l	TM022	16/8/2018 10:15	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		consecutive occasions)						
SW11	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<25	mg/l	TM045	16/8/2018 10:15	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW11	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	11.6	mg/l	TM099	16/8/2018 10:15	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW11	Conductivity	>2000 µS/cm	Quarterly	1.76	mS/cm	TM120	16/8/2018 10:15	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW11	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.507	µg/l	TM152	16/8/2018 10:15	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW11	Nickel (diss.filt)	>0.1 mg/l	Quarterly	10.5	µg/l	TM152	16/8/2018 10:15	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	847	µg/l	TM172	16/8/2018 10:15	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW11	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<400	µg/l	TM172	16/8/2018 10:15	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW11	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<400	µg/l	TM172	16/8/2018 10:15	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW11	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<400	µg/l	TM172	16/8/2018 10:15	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW11	Sulphate	>300 mg/l	Quarterly	563	mg/l	TM184	16/8/2018 10:15	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW11	Chloride	>300 mg/l	Quarterly	162	mg/l	TM184	16/8/2018 10:15	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 10:15	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW11	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.661	mg/l	TM184	16/8/2018 10:15	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW11	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 10:15	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW11	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 10:15	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW11	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	<0.3	mg/l	TM187	16/8/2018 10:15	Lab: Unknown. Sampling: Immeasurable
SW11	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 10:15	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	Zinc (tot.unfilt)	>1 mg/l	Quarterly	75.3	µg/l	TM152	16/8/2018 10:15	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW11	Calcium (tot.unfilt)	>300 mg/l	Quarterly	345	mg/l	TM152	16/8/2018 10:15	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW11	pH	6.8 ÷ 8.5	Quarterly	7.36	pH Units	TM256	16/8/2018 10:15	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW11	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 10:15	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW12	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	17.1	mg/l	TM022	16/8/2018 10:30	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	4.13	mg/l	TM045	16/8/2018 10:30	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW12	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	1.52	mg/l	TM099	16/8/2018 10:30	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW12	Conductivity	>2000 µS/cm	Quarterly	2.24	mS/cm	TM120	16/8/2018 10:30	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW12	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.317	µg/l	TM152	16/8/2018 10:30	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW12	Nickel (diss.filt)	>0.1 mg/l	Quarterly	7.66	µg/l	TM152	16/8/2018 10:30	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW12	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	182	µg/l	TM172	16/8/2018 10:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 10:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW12	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 10:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW12	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 10:30	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW12	Sulphate	>300 mg/l	Quarterly	597	mg/l	TM184	16/8/2018 10:30	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW12	Chloride	>300 mg/l	Quarterly	337	mg/l	TM184	16/8/2018 10:30	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW12	Nitrite as N	>1 mg/l	Quarterly	0.258	mg/l	TM184	16/8/2018 10:30	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.754	mg/l	TM184	16/8/2018 10:30	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW12	Nitrate as N	>1 mg/l	Quarterly	0.657	mg/l	TM184	16/8/2018 10:30	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW12	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.916	mg/l	TM184	16/8/2018 10:30	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW12	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.99	mg/l	TM187	16/8/2018 10:30	Lab: Unknown. Sampling: Immeasurable
SW12	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 10:30	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW12	Zinc (tot.unfilt)	>1 mg/l	Quarterly	55.4	µg/l	TM152	16/8/2018 10:30	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	Calcium (tot.unfilt)	>300 mg/l	Quarterly	372	mg/l	TM152	16/8/2018 10:30	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW12	pH	6.8 ÷ 8.5	Quarterly	7.6	pH Units	TM256	16/8/2018 10:30	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW12	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 10:30	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW13	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	31	mg/l	TM022	16/8/2018 10:45	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW13	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	9.14	mg/l	TM045	16/8/2018 10:45	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	1.95	mg/l	TM099	16/8/2018 10:45	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW13	Conductivity	>2000 µS/cm	Quarterly	1.23	mS/cm	TM120	16/8/2018 10:45	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW13	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.41	µg/l	TM152	16/8/2018 10:45	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW13	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.37	µg/l	TM152	16/8/2018 10:45	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW13	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	1520	µg/l	TM172	16/8/2018 10:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW13	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	658	µg/l	TM172	16/8/2018 10:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	611	µg/l	TM172	16/8/2018 10:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW13	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	252	µg/l	TM172	16/8/2018 10:45	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW13	Sulphate	>300 mg/l	Quarterly	171	mg/l	TM184	16/8/2018 10:45	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW13	Chloride	>300 mg/l	Quarterly	80.7	mg/l	TM184	16/8/2018 10:45	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW13	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 10:45	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW13	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	2.42	mg/l	TM184	16/8/2018 10:45	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 10:45	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW13	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 10:45	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW13	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.42	mg/l	TM187	16/8/2018 10:45	Lab: Unknown. Sampling: Immeasurable
SW13	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 10:45	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW13	Zinc (tot.unfilt)	>1 mg/l	Quarterly	23.1	µg/l	TM152	16/8/2018 10:45	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW13	Calcium (tot.unfilt)	>300 mg/l	Quarterly	213	mg/l	TM152	16/8/2018 10:45	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	pH	6.8 ÷ 8.5	Quarterly	7.93	pH Units	TM256	16/8/2018 10:45	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW13	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 10:45	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW15	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	6.43	mg/l	TM022	16/8/2018 11:05	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW15	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.96	mg/l	TM045	16/8/2018 11:05	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW15	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	<0.2	mg/l	TM099	16/8/2018 11:05	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	Conductivity	>2000 µS/cm	Quarterly	0.991	mS/cm	TM120	16/8/2018 11:05	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW15	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/8/2018 11:05	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW15	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.72	µg/l	TM152	16/8/2018 11:05	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW15	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW15	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW15	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:05	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW15	Sulphate	>300 mg/l	Quarterly	165	mg/l	TM184	16/8/2018 11:05	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW15	Chloride	>300 mg/l	Quarterly	94.8	mg/l	TM184	16/8/2018 11:05	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW15	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 11:05	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW15	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	1.28	mg/l	TM184	16/8/2018 11:05	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW15	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 11:05	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 11:05	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW15	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	4.9	mg/l	TM187	16/8/2018 11:05	Lab: Unknown. Sampling: Immeasurable
SW15	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 11:05	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW15	Zinc (tot.unfilt)	>1 mg/l	Quarterly	6.35	µg/l	TM152	16/8/2018 11:05	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW15	Calcium (tot.unfilt)	>300 mg/l	Quarterly	161	mg/l	TM152	16/8/2018 11:05	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW15	pH	6.8 ÷ 8.5	Quarterly	8.36	pH Units	TM256	16/8/2018 11:05	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 11:05	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable
SW16	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	5.88	mg/l	TM022	16/8/2018 11:20	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW16	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	4.28	mg/l	TM045	16/8/2018 11:20	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW16	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	<0.2	mg/l	TM099	16/8/2018 11:20	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW16	Conductivity	>2000 µS/cm	Quarterly	0.989	mS/cm	TM120	16/8/2018 11:20	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/8/2018 11:20	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable
SW16	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.5	µg/l	TM152	16/8/2018 11:20	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW16	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:20	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW16	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:20	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW16	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:20	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW16	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 11:20	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Sulphate	>300 mg/l	Quarterly	135	mg/l	TM184	16/8/2018 11:20	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable
SW16	Chloride	>300 mg/l	Quarterly	87.1	mg/l	TM184	16/8/2018 11:20	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW16	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 11:20	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW16	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	1.42	mg/l	TM184	16/8/2018 11:20	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW16	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/8/2018 11:20	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW16	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 11:20	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	4.81	mg/l	TM187	16/8/2018 11:20	Lab: Unknown. Sampling: Immeasurable
SW16	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 11:20	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW16	Zinc (tot.unfilt)	>1 mg/l	Quarterly	<5	µg/l	TM152	16/8/2018 11:20	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW16	Calcium (tot.unfilt)	>300 mg/l	Quarterly	146	mg/l	TM152	16/8/2018 11:20	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW16	pH	6.8 ÷ 8.5	Quarterly	7.7	pH Units	TM256	16/8/2018 11:20	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW16	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 11:20	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	7.14	mg/l	TM022	16/8/2018 12:00	Lab: Precision 0.9%, Bias - 1.1%, Expanded Uncertainty 2.9%. Sampling: Immeasurable
SW17	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	8.07	mg/l	TM045	16/8/2018 12:00	Lab: Precision 5.6%, Bias 3.6%, Expanded Uncertainty 14.8%. Sampling: Immeasurable
SW17	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.206	mg/l	TM099	16/8/2018 12:00	Lab: Precision 1.7%, Bias -0.7%, Expanded Uncertainty 4.0%. Sampling: Immeasurable
SW17	Conductivity	>2000 µS/cm	Quarterly	0.492	mS/cm	TM120	16/8/2018 12:00	Lab: Precision 0.7%, Bias 3.1%, Expanded Uncertainty 4.6%. Sampling: Immeasurable
SW17	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/8/2018 12:00	Lab: Precision 3.7%, Bias 1.4%, Expanded Uncertainty 8.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Nickel (diss.filt)	>0.1 mg/l	Quarterly	0.933	µg/l	TM152	16/8/2018 12:00	Lab: Precision 3.3%, Bias 2.7%, Expanded Uncertainty 9.3%. Sampling: Immeasurable
SW17	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	198	µg/l	TM172	16/8/2018 12:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW17	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW17	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW17	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/8/2018 12:00	Lab: Precision 6.3%, Bias 0.6%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW17	Sulphate	>300 mg/l	Quarterly	55.9	mg/l	TM184	16/8/2018 12:00	Lab: Precision 3.2%, Bias 3.4%, Expanded Uncertainty 9.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Chloride	>300 mg/l	Quarterly	40.5	mg/l	TM184	16/8/2018 12:00	Lab: Precision 3.0%, Bias 4.7%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW17	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/8/2018 12:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW17	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.623	mg/l	TM184	16/8/2018 12:00	Lab: Precision 1.0%, Bias 1.4%, Expanded Uncertainty 3.5%. Sampling: Immeasurable
SW17	Nitrate as N	>1 mg/l	Quarterly	<0.677	mg/l	TM184	16/8/2018 12:00	Lab: Precision 0.9%, Bias -1.8%, Expanded Uncertainty 3.6%. Sampling: Immeasurable
SW17	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/8/2018 12:00	Lab: Precision 2.0%, Bias 4.6%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW17	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	0.91	mg/l	TM187	16/8/2018 12:00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM152	16/8/2018 12:00	Lab: Precision 3.6 %, Bias 1.0%, Expanded Uncertainty 8.3%. Sampling: Immeasurable
SW17	Zinc (tot.unfilt)	>1 mg/l	Quarterly	9.49	µg/l	TM152	16/8/2018 12:00	Lab: Precision 4.7 %, Bias 1.2%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW17	Calcium (tot.unfilt)	>300 mg/l	Quarterly	63.7	mg/l	TM152	16/8/2018 12:00	Lab: Precision 4.1 %, Bias 0.1%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW17	pH	6.8 ÷ 8.5	Quarterly	7.39	pH Units	TM256	16/8/2018 12:00	Lab: Precision 0.0 %, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling: Immeasurable
SW17	GRO>C5-12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/8/2018 12:00	Lab: Precision 12.1%, Bias - 2.5%, Expanded Uncertainty 26.6%. Sampling: Immeasurable

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



Signed é

Date: September 2018

(Authorised to sign as representative of Operator)

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