

Permit Number: EPR/PP3993VS

Operator: Atlantic Recycling

Facility: Atlantic Recycling

Form Number: Surfacewater1

Reporting of surface water monitoring for the period from April to June 2016

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	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	4 mg/l	TM022	18/05/2016 08:00	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
Outfall	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<1 mg/l	TM045	18/05/2016 08:00	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
Outfall	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.287 mg/l	TM099	18/05/2016 08:00	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
Outfall	Conductivity	>2000 µS/cm	Monthly	0.721 mS/cm	TM120	18/05/2016 08:00	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
Outfall	Lead	>0.25 mg/l	Monthly	1.45 µg/l	TM152	18/05/2016	Lab: Precision 4.5%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	(diss.filt)					08:00	-3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
Outfall	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.54 µg/l	TM152	18/05/2016 08:00	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
Outfall	EPH Range >C10-C40 (aq)	>2 mg/l	Monthly	<46 µg/l	TM172	18/05/2016 08:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
Outfall	EPH Range >C10-C20 (aq)	>2 mg/l	Monthly	<10 µg/l	TM172	18/05/2016 08:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
Outfall	EPH Range >C20-C30 (aq)	>2 mg/l	Monthly	<10 µg/l	TM172	18/05/2016 08:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
Outfall	EPH Range >C30-C40 (aq)	>2 mg/l	Monthly	<10 µg/l	TM172	18/05/2016 08:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
Outfall	Sulphate	>300 mg/l	Monthly	108 mg/l	TM184	18/05/2016 08:00	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
Outfall	Chloride	>300 mg/l	Monthly	49.8 mg/l	TM184	18/05/2016	Lab: Precision 3.1%, Bias -0.1%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						08:00	Uncertainty 6.6%. Sampling: Immeasurable
Outfall	Nitrite as N	>1 mg/l	Monthly	<0.0152 mg/l	TM184	18/05/2016 08:00	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
Outfall	Phosphate (ortho) as PO ₄	>1 mg/l	Monthly	0.076 mg/l	TM184	18/05/2016 08:00	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
Outfall	Nitrate as N	>1 mg/l	Monthly	0.0941 mg/l	TM184	18/05/2016 08:00	Lab: As per TON and NO ₂ . Sampling: Immeasurable
Outfall	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.104 mg/l	TM184	18/05/2016 08:00	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
Outfall	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	4.06 mg/l	TM187	18/05/2016 08:00	Lab: Unknown. Sampling: Immeasurable
Outfall	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5 µg/l	TM191	18/05/2016 08:00	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	Zinc (tot.unfilt)	>1 mg/l	Monthly	4.03 µg/l	TM191	18/05/2016 08:00	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
Outfall	Calcium (tot.unfilt)	>300 mg/l	Monthly	100 mg/l	TM228	18/05/2016 08:00	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
Outfall	pH	6.8 – 8.5	Monthly	7.83 pH Units	TM256	18/05/2016 08:00	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
Outfall	GRO >C5-C12	>2 mg/l	Monthly	<50 µg/l	TM245	18/05/2016 08:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
Outfall	GRO >C7-C8	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
Outfall	GRO >C5-C6	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
Outfall	GRO >C6-C7	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
Outfall	GRO >C8-C10	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
Outfall	GRO >C10-C12	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
Outfall	GRO >C5-C10	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW09	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	3 mg/l	TM022	18/05/2016 08:20	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW09	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<1 mg/l	TM045	18/05/2016 08:20	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW09	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.13 mg/l	TM099	18/05/2016 08:20	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW09	Conductivity	>2000 µS/cm	Monthly	0.64 mS/cm	TM120	18/05/2016	Lab: Precision 1.3%, Bias 2.6%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						08:20	Uncertainty 5.1%. Sampling: Immeasurable
SW09	Lead (diss.filt)	>0.25 mg/l	Monthly	0.539 µg/l	TM152	18/05/2016 08:20	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW09	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.13 µg/l	TM152	18/05/2016 08:20	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW09	EPH Range >C10-C40 (aq)	>2 mg/l	Monthly	<46 µg/l	TM172	18/05/2016 08:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW09	EPH Range >C10-C20 (aq)	>2 mg/l	Monthly	<10 µg/l	TM172	18/05/2016 08:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW09	EPH Range >C20-C30 (aq)	>2 mg/l	Monthly	<10 µg/l	TM172	18/05/2016 08:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW09	EPH Range >C30-C40 (aq)	>2 mg/l	Monthly	<10 µg/l	TM172	18/05/2016 08:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW09	Sulphate	>300 mg/l	Monthly	97.3 mg/l	TM184	18/05/2016	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						08:20	Sampling: Immeasurable
SW09	Chloride	>300 mg/l	Monthly	47.2 mg/l	TM184	18/05/2016 08:20	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW09	Nitrite as N	>1 mg/l	Monthly	<0.0152 mg/l	TM184	18/05/2016 08:20	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW09	Phosphate (ortho) as PO ₄	>1 mg/l	Monthly	0.052 mg/l	TM184	18/05/2016 08:20	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW09	Nitrate as N	>1 mg/l	Monthly	0.0733 mg/l	TM184	18/05/2016 08:20	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW09	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1 mg/l	TM184	18/05/2016 08:20	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW09	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	3.7 mg/l	TM187	18/05/2016 08:20	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5 µg/l	TM191	18/05/2016 08:20	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW09	Zinc (tot.unfilt)	>1 mg/l	Monthly	<3 µg/l	TM191	18/05/2016 08:20	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW09	Calcium (tot.unfilt)	>300 mg/l	Monthly	93.4 mg/l	TM228	18/05/2016 08:20	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW09	pH	6.8 – 8.5	Monthly	7.86 pH Units	TM256	18/05/2016 08:20	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW09	GRO >C5-C12	>2 mg/l	Monthly	<50 µg/l	TM245	18/05/2016 08:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW09	GRO >C7-C8	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW09	GRO >C5-C6	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW09	GRO >C6-C7	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW09	GRO >C8-C10	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW09	GRO >C10-C12	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW09	GRO >C5-C10	>2 mg/l	Monthly	<10 µg/l	TM245	18/05/2016 08:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW04	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	<2 mg/l	TM022	16/05/2016 18:00	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW04	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	16/05/2016 18:00	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW04	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4	Quarterly	0.223 mg/l	TM099	16/05/2016 18:00	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		consecutive occasions)					Sampling: Immeasurable
SW04	Conductivity	>2000 µS/cm	Quarterly	0.515 mS/cm	TM120	16/05/2016 18:00	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW04	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.552 µg/l	TM152	16/05/2016 18:00	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW04	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.19 µg/l	TM152	16/05/2016 18:00	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW04	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/05/2016 18:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW04	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 18:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW04	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 18:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW04	EPH Range >C30-C40	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	(aq)					18:00	Sampling: Immeasurable
SW04	Sulphate	>300 mg/l	Quarterly	33.2 mg/l	TM184	16/05/2016 18:00	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW04	Chloride	>300 mg/l	Quarterly	30.5 mg/l	TM184	16/05/2016 18:00	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW04	Nitrite as N	>1 mg/l	Quarterly	0.0612 mg/l	TM184	16/05/2016 18:00	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW04	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.061 mg/l	TM184	16/05/2016 18:00	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW04	Nitrate as N	>1 mg/l	Quarterly	0.523 mg/l	TM184	16/05/2016 18:00	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW04	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.584 mg/l	TM184	16/05/2016 18:00	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW04	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	10.5 mg/l	TM187	16/05/2016 18:00	Lab: Unknown. Sampling: Immeasurable
SW04	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 18:00	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW04	Zinc (tot.unfilt)	>1 mg/l	Quarterly	<3 µg/l	TM191	16/05/2016 18:00	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW04	Calcium (tot.unfilt)	>300 mg/l	Quarterly	74.6 mg/l	TM228	16/05/2016 18:00	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW04	pH	6.8 – 8.5	Quarterly	7.94 pH Units	TM256	16/05/2016 18:00	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW04	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016 18:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW04	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						18:00	Sampling: Immeasurable
SW04	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 18:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW04	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 18:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW04	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 18:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW04	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 18:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW04	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 18:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW05	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	<2 mg/l	TM022	17/05/2016 09:20	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW05	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive	Quarterly	3.26 mg/l	TM045	17/05/2016	Lab: Precision 8.9%, Bias 1.0%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		occasions)				09:20	Uncertainty 18.8%. Sampling: Immeasurable
SW05	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0382 mg/l	TM099	17/05/2016 09:20	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW05	Conductivity	>2000 µS/cm	Quarterly	0.974 mS/cm	TM120	17/05/2016 09:20	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW05	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.195 µg/l	TM152	17/05/2016 09:20	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW05	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.03 µg/l	TM152	17/05/2016 09:20	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW05	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	17/05/2016 09:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW05	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 09:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 09:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW05	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 09:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW05	Sulphate	>300 mg/l	Quarterly	234 mg/l	TM184	17/05/2016 09:20	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW05	Chloride	>300 mg/l	Quarterly	54.5 mg/l	TM184	17/05/2016 09:20	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW05	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	17/05/2016 09:20	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW05	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.138 mg/l	TM184	17/05/2016 09:20	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW05	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	17/05/2016 09:20	Lab: As per TON and NO ₂ . Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW05	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	17/05/2016 09:20	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW05	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.72 mg/l	TM187	17/05/2016 09:20	Lab: Unknown. Sampling: Immeasurable
SW05	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/05/2016 09:20	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW05	Zinc (tot.unfilt)	>1 mg/l	Quarterly	3.37 µg/l	TM191	17/05/2016 09:20	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW05	Calcium (tot.unfilt)	>300 mg/l	Quarterly	188 mg/l	TM228	17/05/2016 09:20	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW05	pH	6.8 – 8.5	Quarterly	7.77 pH Units	TM256	17/05/2016 09:20	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW05	GRO >C5-	>2 mg/l	Quarterly	<50 µg/l	TM245	17/05/2016	Lab: Precision 8.7%, Bias -9.5%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	C12					09:20	Uncertainty 26.8%. Sampling: Immeasurable
SW05	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW05	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW05	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW05	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW05	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW05	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW06	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive	Quarterly	2.5 mg/l	TM022	17/05/2016 09:50	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		occasions)					
SW06	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	17/05/2016 09:50	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW06	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.545 mg/l	TM099	17/05/2016 09:50	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW06	Conductivity	>2000 µS/cm	Quarterly	0.827 mS/cm	TM120	17/05/2016 09:50	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW06	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.607 µg/l	TM152	17/05/2016 09:50	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW06	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.17 µg/l	TM152	17/05/2016 09:50	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW06	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	17/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW06	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW06	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW06	Sulphate	>300 mg/l	Quarterly	148 mg/l	TM184	17/05/2016 09:50	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW06	Chloride	>300 mg/l	Quarterly	55.5 mg/l	TM184	17/05/2016 09:50	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW06	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	17/05/2016 09:50	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW06	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.691 mg/l	TM184	17/05/2016 09:50	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW06	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	17/05/2016 09:50	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW06	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	17/05/2016 09:50	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW06	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	6.35 mg/l	TM187	17/05/2016 09:50	Lab: Unknown. Sampling: Immeasurable
SW06	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/05/2016 09:50	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW06	Zinc (tot.unfilt)	>1 mg/l	Quarterly	3.65 µg/l	TM191	17/05/2016 09:50	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW06	Calcium (tot.unfilt)	>300 mg/l	Quarterly	139 mg/l	TM228	17/05/2016 09:50	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW06	pH	6.8 – 8.5	Quarterly	7.63 pH Units	TM256	17/05/2016	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						09:50	Sampling: Immeasurable
SW06	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW06	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW06	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW06	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW06	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW06	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW06	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	2.5 mg/l	TM022	18/05/2016 09:00	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW07	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.56 mg/l	TM045	18/05/2016 09:00	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW07	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.133 mg/l	TM099	18/05/2016 09:00	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW07	Conductivity	>2000 µS/cm	Quarterly	1.16 mS/cm	TM120	18/05/2016 09:00	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW07	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.596 µg/l	TM152	18/05/2016 09:00	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW07	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.67 µg/l	TM152	18/05/2016 09:00	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	18/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW07	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	18/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW07	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	18/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW07	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	18/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW07	Sulphate	>300 mg/l	Quarterly	322 mg/l	TM184	18/05/2016 09:00	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW07	Chloride	>300 mg/l	Quarterly	64.4 mg/l	TM184	18/05/2016 09:00	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW07	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	18/05/2016 09:00	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	0.077 mg/l	TM184	18/05/2016 09:00	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW07	Nitrate as N	>1 mg/l	Quarterly	<0.677 mg/l	TM184	18/05/2016 09:00	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW07	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	18/05/2016 09:00	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW07	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.23 mg/l	TM187	18/05/2016 09:00	Lab: Unknown. Sampling: Immeasurable
SW07	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	18/05/2016 09:00	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW07	Zinc (tot.unfilt)	>1 mg/l	Quarterly	7.95 µg/l	TM191	18/05/2016 09:00	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW07	Calcium (tot.unfilt)	>300 mg/l	Quarterly	235 mg/l	TM228	18/05/2016	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						09:00	Sampling: Immeasurable
SW07	pH	6.8 – 8.5	Quarterly	7.51 pH Units	TM256	18/05/2016 09:00	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW07	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	18/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW07	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	18/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW07	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	18/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW07	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	18/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW07	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	18/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW07	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	18/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW07	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	18/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW08	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	8.5 mg/l	TM022	17/05/2016 08:50	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW08	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.62 mg/l	TM045	17/05/2016 08:50	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW08	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0772 mg/l	TM099	17/05/2016 08:50	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW08	Conductivity	>2000 µS/cm	Quarterly	0.527 mS/cm	TM120	17/05/2016 08:50	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW08	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.088 µg/l	TM152	17/05/2016 08:50	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.57 µg/l	TM152	17/05/2016 08:50	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW08	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	17/05/2016 08:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW08	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 08:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW08	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 08:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW08	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/05/2016 08:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW08	Sulphate	>300 mg/l	Quarterly	46.7 mg/l	TM184	17/05/2016 08:50	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW08	Chloride	>300 mg/l	Quarterly	32.9 mg/l	TM184	17/05/2016 08:50	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	17/05/2016 08:50	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW08	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	<0.05 mg/l	TM184	17/05/2016 08:50	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW08	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	17/05/2016 08:50	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW08	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	17/05/2016 08:50	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW08	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	4.27 mg/l	TM187	17/05/2016 08:50	Lab: Unknown. Sampling: Immeasurable
SW08	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/05/2016 08:50	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW08	Zinc (tot.unfilt)	>1 mg/l	Quarterly	10.6 µg/l	TM191	17/05/2016	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						08:50	Sampling: Immeasurable
SW08	Calcium (tot.unfilt)	>300 mg/l	Quarterly	72.5 mg/l	TM228	17/05/2016 08:50	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW08	pH	6.8 – 8.5	Quarterly	7.72 pH Units	TM256	17/05/2016 08:50	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW08	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/05/2016 08:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW08	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 08:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW08	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 08:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW08	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 08:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW08	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 08:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW08	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 08:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW08	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/05/2016 08:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW10	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	16/05/2016 09:00	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW10	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	5.89 mg/l	TM045	16/05/2016 09:00	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW10	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	5.26 mg/l	TM099	16/05/2016 09:00	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW10	Conductivity	>2000 µS/cm	Quarterly	1.2 mS/cm	TM120	16/05/2016 09:00	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW10	Lead	>0.25 mg/l	Quarterly	1.49 µg/l	TM152	16/05/2016	Lab: Precision 4.5%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	(diss.filt)					09:00	-3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW10	Nickel (diss.filt)	>0.1 mg/l	Quarterly	11.5 µg/l	TM152	16/05/2016 09:00	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW10	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	150 µg/l	TM172	16/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW10	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	71.3 µg/l	TM172	16/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW10	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	50 µg/l	TM172	16/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW10	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	29.1 µg/l	TM172	16/05/2016 09:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW10	Sulphate	>300 mg/l	Quarterly	274 mg/l	TM184	16/05/2016 09:00	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW10	Chloride	>300 mg/l	Quarterly	108 mg/l	TM184	16/05/2016	Lab: Precision 3.1%, Bias -0.1%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						09:00	Uncertainty 6.6%. Sampling: Immeasurable
SW10	Nitrite as N	>1 mg/l	Quarterly	0.0429 mg/l	TM184	16/05/2016 09:00	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW10	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	0.075 mg/l	TM184	16/05/2016 09:00	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW10	Nitrate as N	>1 mg/l	Quarterly	0.209 mg/l	TM184	16/05/2016 09:00	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW10	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.252 mg/l	TM184	16/05/2016 09:00	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW10	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.67 mg/l	TM187	16/05/2016 09:00	Lab: Unknown. Sampling: Immeasurable
SW10	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 09:00	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	Zinc (tot.unfilt)	>1 mg/l	Quarterly	27 µg/l	TM191	16/05/2016 09:00	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW10	Calcium (tot.unfilt)	>300 mg/l	Quarterly	110 mg/l	TM228	16/05/2016 09:00	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW10	pH	6.8 – 8.5	Quarterly	7.88 pH Units	TM256	16/05/2016 09:00	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW10	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW10	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW10	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW10	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW10	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW10	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW10	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW11	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	16/05/2016 09:15	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW11	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<5 mg/l	TM045	16/05/2016 09:15	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW11	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	9.87 mg/l	TM099	16/05/2016 09:15	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW11	Conductivity	>2000 µS/cm	Quarterly	1.21 mS/cm	TM120	16/05/2016	Lab: Precision 1.3%, Bias 2.6%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						09:15	Uncertainty 5.1%. Sampling: Immeasurable
SW11	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.98 µg/l	TM152	16/05/2016 09:15	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW11	Nickel (diss.filt)	>0.1 mg/l	Quarterly	11 µg/l	TM152	16/05/2016 09:15	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW11	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	162 µg/l	TM172	16/05/2016 09:15	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW11	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	74.4 µg/l	TM172	16/05/2016 09:15	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW11	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	56.5 µg/l	TM172	16/05/2016 09:15	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW11	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	31 µg/l	TM172	16/05/2016 09:15	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW11	Sulphate	>300 mg/l	Quarterly	277 mg/l	TM184	16/05/2016	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						09:15	Sampling: Immeasurable
SW11	Chloride	>300 mg/l	Quarterly	114 mg/l	TM184	16/05/2016 09:15	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW11	Nitrite as N	>1 mg/l	Quarterly	0.0779 mg/l	TM184	16/05/2016 09:15	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW11	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	<0.05 mg/l	TM184	16/05/2016 09:15	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW11	Nitrate as N	>1 mg/l	Quarterly	0.091 mg/l	TM184	16/05/2016 09:15	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW11	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.169 mg/l	TM184	16/05/2016 09:15	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW11	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.35 mg/l	TM187	16/05/2016 09:15	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 09:15	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW11	Zinc (tot.unfilt)	>1 mg/l	Quarterly	30.5 µg/l	TM191	16/05/2016 09:15	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW11	Calcium (tot.unfilt)	>300 mg/l	Quarterly	97.4 mg/l	TM228	16/05/2016 09:15	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW11	pH	6.8 – 8.5	Quarterly	7.88 pH Units	TM256	16/05/2016 09:15	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW11	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016 09:15	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW11	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:15	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW11	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:15	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW11	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:15	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW11	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:15	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW11	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:15	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW11	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:15	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW12	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	8 mg/l	TM022	16/05/2016 09:30	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW12	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<7 mg/l	TM045	16/05/2016 09:30	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW12	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4	Quarterly	0.225 mg/l	TM099	16/05/2016 09:30	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		consecutive occasions)					Sampling: Immeasurable
SW12	Conductivity	>2000 µS/cm	Quarterly	0.767 mS/cm	TM120	16/05/2016 09:30	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW12	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.98 µg/l	TM152	16/05/2016 09:30	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW12	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.19 µg/l	TM152	16/05/2016 09:30	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW12	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/05/2016 09:30	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW12	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 09:30	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW12	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 09:30	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW12	EPH Range >C30-C40	>2 mg/l	Quarterly	11.5 µg/l	TM172	16/05/2016	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	(aq)					09:30	Sampling: Immeasurable
SW12	Sulphate	>300 mg/l	Quarterly	57.4 mg/l	TM184	16/05/2016 09:30	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW12	Chloride	>300 mg/l	Quarterly	50.1 mg/l	TM184	16/05/2016 09:30	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW12	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	16/05/2016 09:30	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW12	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	2.15 mg/l	TM184	16/05/2016 09:30	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW12	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	16/05/2016 09:30	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW12	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	16/05/2016 09:30	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW12	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.66 mg/l	TM187	16/05/2016 09:30	Lab: Unknown. Sampling: Immeasurable
SW12	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 09:30	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW12	Zinc (tot.unfilt)	>1 mg/l	Quarterly	8.04 µg/l	TM191	16/05/2016 09:30	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW12	Calcium (tot.unfilt)	>300 mg/l	Quarterly	77.4 mg/l	TM228	16/05/2016 09:30	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW12	pH	6.8 – 8.5	Quarterly	7.62 pH Units	TM256	16/05/2016 09:30	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW12	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016 09:30	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW12	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						09:30	Sampling: Immeasurable
SW12	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:30	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW12	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:30	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW12	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:30	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW12	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:30	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW12	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:30	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW13	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	21.5 mg/l	TM022	16/05/2016 09:50	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW13	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive	Quarterly	11.7 mg/l	TM045	16/05/2016	Lab: Precision 8.9%, Bias 1.0%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		occasions)				09:50	Uncertainty 18.8%. Sampling: Immeasurable
SW13	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0481 mg/l	TM099	16/05/2016 09:50	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW13	Conductivity	>2000 µS/cm	Quarterly	1.04 mS/cm	TM120	16/05/2016 09:50	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW13	Lead (diss.filt)	>0.25 mg/l	Quarterly	1.02 µg/l	TM152	16/05/2016 09:50	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW13	Nickel (diss.filt)	>0.1 mg/l	Quarterly	5.32 µg/l	TM152	16/05/2016 09:50	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW13	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	160 µg/l	TM172	16/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW13	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	40.2 µg/l	TM172	16/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	75.2 µg/l	TM172	16/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW13	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	44.3 µg/l	TM172	16/05/2016 09:50	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW13	Sulphate	>300 mg/l	Quarterly	71.2 mg/l	TM184	16/05/2016 09:50	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW13	Chloride	>300 mg/l	Quarterly	85.9 mg/l	TM184	16/05/2016 09:50	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW13	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	16/05/2016 09:50	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW13	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	2.05 mg/l	TM184	16/05/2016 09:50	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW13	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	16/05/2016 09:50	Lab: As per TON and NO ₂ . Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW13	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	16/05/2016 09:50	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW13	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.67 mg/l	TM187	16/05/2016 09:50	Lab: Unknown. Sampling: Immeasurable
SW13	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 09:50	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW13	Zinc (tot.unfilt)	>1 mg/l	Quarterly	28.2 µg/l	TM191	16/05/2016 09:50	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW13	Calcium (tot.unfilt)	>300 mg/l	Quarterly	89.7 mg/l	TM228	16/05/2016 09:50	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW13	pH	6.8 – 8.5	Quarterly	7.76 pH Units	TM256	16/05/2016 09:50	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW13	GRO >C5-	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016	Lab: Precision 8.7%, Bias -9.5%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	C12					09:50	Uncertainty 26.8%. Sampling: Immeasurable
SW13	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW13	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW13	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW13	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW13	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW13	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 09:50	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW15	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive	Quarterly	16 mg/l	TM022	16/05/2016 10:20	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		occasions)					
SW15	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	5.35 mg/l	TM045	16/05/2016 10:20	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW15	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	1.52 mg/l	TM099	16/05/2016 10:20	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW15	Conductivity	>2000 µS/cm	Quarterly	1.05 mS/cm	TM120	16/05/2016 10:20	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW15	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.407 µg/l	TM152	16/05/2016 10:20	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW15	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.93 µg/l	TM152	16/05/2016 10:20	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW15	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	62.7 µg/l	TM172	16/05/2016 10:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	20 µg/l	TM172	16/05/2016 10:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW15	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	24.3 µg/l	TM172	16/05/2016 10:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW15	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	18.5 µg/l	TM172	16/05/2016 10:20	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW15	Sulphate	>300 mg/l	Quarterly	203 mg/l	TM184	16/05/2016 10:20	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW15	Chloride	>300 mg/l	Quarterly	93.1 mg/l	TM184	16/05/2016 10:20	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW15	Nitrite as N	>1 mg/l	Quarterly	0.0457 mg/l	TM184	16/05/2016 10:20	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW15	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	0.48 mg/l	TM184	16/05/2016 10:20	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW15	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	16/05/2016 10:20	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW15	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	16/05/2016 10:20	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW15	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.67 mg/l	TM187	16/05/2016 10:20	Lab: Unknown. Sampling: Immeasurable
SW15	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 10:20	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW15	Zinc (tot.unfilt)	>1 mg/l	Quarterly	8.88 µg/l	TM191	16/05/2016 10:20	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW15	Calcium (tot.unfilt)	>300 mg/l	Quarterly	93.2 mg/l	TM228	16/05/2016 10:20	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW15	pH	6.8 – 8.5	Quarterly	8.02 pH Units	TM256	16/05/2016	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						10:20	Sampling: Immeasurable
SW15	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016 10:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW15	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW15	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW15	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW15	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW15	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW15	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:20	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	8 mg/l	TM022	16/05/2016 10:40	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW16	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	4.54 mg/l	TM045	16/05/2016 10:40	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW16	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0816 mg/l	TM099	16/05/2016 10:40	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW16	Conductivity	>2000 µS/cm	Quarterly	0.782 mS/cm	TM120	16/05/2016 10:40	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW16	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.217 µg/l	TM152	16/05/2016 10:40	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable
SW16	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.14 µg/l	TM152	16/05/2016 10:40	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/05/2016 10:40	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW16	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 10:40	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW16	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 10:40	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW16	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	11.4 µg/l	TM172	16/05/2016 10:40	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW16	Sulphate	>300 mg/l	Quarterly	130 mg/l	TM184	16/05/2016 10:40	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW16	Chloride	>300 mg/l	Quarterly	53.6 mg/l	TM184	16/05/2016 10:40	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW16	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	16/05/2016 10:40	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	0.11mg/l	TM184	16/05/2016 10:40	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW16	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	16/05/2016 10:40	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW16	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	16/05/2016 10:40	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW16	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	5.76 mg/l	TM187	16/05/2016 10:40	Lab: Unknown. Sampling: Immeasurable
SW16	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 10:40	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW16	Zinc (tot.unfilt)	>1 mg/l	Quarterly	9.27 µg/l	TM191	16/05/2016 10:40	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%. Sampling: Immeasurable
SW16	Calcium (tot.unfilt)	>300 mg/l	Quarterly	83.2 mg/l	TM228	16/05/2016	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						10:40	Sampling: Immeasurable
SW16	pH	6.8 – 8.5	Quarterly	7.93 pH Units	TM256	16/05/2016 10:40	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW16	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016 10:40	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW16	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:40	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW16	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:40	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW16	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:40	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW16	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:40	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW16	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:40	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW16	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 10:40	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW17	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	16/05/2016 11:00	Lab: Precision 1.5%, Bias -2.8%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW17	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.45 mg/l	TM045	16/05/2016 11:00	Lab: Precision 8.9%, Bias 1.0%, Expanded Uncertainty 18.8%. Sampling: Immeasurable
SW17	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.287 mg/l	TM099	16/05/2016 11:00	Lab: Precision 2.3%, Bias 3.4%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW17	Conductivity	>2000 µS/cm	Quarterly	0.922 mS/cm	TM120	16/05/2016 11:00	Lab: Precision 1.3%, Bias 2.6%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW17	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.385 µg/l	TM152	16/05/2016 11:00	Lab: Precision 4.5%, Bias -3.5%, Expanded Uncertainty 12.4%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.76 µg/l	TM152	16/05/2016 11:00	Lab: Precision 4.7%, Bias 1.3%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW17	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/05/2016 11:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW17	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 11:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW17	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/05/2016 11:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW17	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	12.4 µg/l	TM172	16/05/2016 11:00	Lab: Precision 8.2%, Bias -8.3%, Expanded Uncertainty 24.8%. Sampling: Immeasurable
SW17	Sulphate	>300 mg/l	Quarterly	165 mg/l	TM184	16/05/2016 11:00	Lab: Precision 3.2%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable
SW17	Chloride	>300 mg/l	Quarterly	67.8 mg/l	TM184	16/05/2016 11:00	Lab: Precision 3.1%, Bias -0.1%, Expanded Uncertainty 6.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	Nitrite as N	>1 mg/l	Quarterly	0.0374 mg/l	TM184	16/05/2016 11:00	Lab: Precision 2.3%, Bias -0.3%, Expanded Uncertainty 4.9%. Sampling: Immeasurable
SW17	Phosphate (ortho) as PO4	>1 mg/l	Quarterly	0.697 mg/l	TM184	16/05/2016 11:00	Lab: Precision 1.1%, Bias 4.1%, Expanded Uncertainty 6.2%. Sampling: Immeasurable
SW17	Nitrate as N	>1 mg/l	Quarterly	0.154 mg/l	TM184	16/05/2016 11:00	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW17	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.191 mg/l	TM184	16/05/2016 11:00	Lab: Precision 2.7%, Bias 2.2%, Expanded Uncertainty 7.6%. Sampling: Immeasurable
SW17	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.85 mg/l	TM187	16/05/2016 11:00	Lab: Unknown. Sampling: Immeasurable
SW17	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/05/2016 11:00	Lab: Precision 4.7%, Bias -2.2%, Expanded Uncertainty 11.5%. Sampling: Immeasurable
SW17	Zinc (tot.unfilt)	>1 mg/l	Quarterly	7.12 µg/l	TM191	16/05/2016	Lab: Precision 7.3%, Bias -1.1%, Expanded Uncertainty 15.6%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
						11:00	Sampling: Immeasurable
SW17	Calcium (tot.unfilt)	>300 mg/l	Quarterly	86.1 mg/l	TM228	16/05/2016 11:00	Lab: Precision 5.0%, Bias -3.2%, Expanded Uncertainty 13.2%. Sampling: Immeasurable
SW17	pH	6.8 – 8.5	Quarterly	7.88 pH Units	TM256	16/05/2016 11:00	Lab: Precision 0.5%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW17	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/05/2016 11:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW17	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 11:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW17	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 11:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW17	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 11:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW17	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 11:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW17	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 11:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable
SW17	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/05/2016 11:00	Lab: Precision 8.7%, Bias -9.5%, Expanded Uncertainty 26.8%. Sampling: Immeasurable

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



Signed.....

Date: June 2016

(Authorised to sign as representative of Operator)

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