

Permit Number: EPR/VP3095FS

Operator: Neal Soils

Facility: Neal Soil Suppliers

Form Number: Surfacewater1

Reporting of surface water monitoring for quarterly monitoring in February 2020 (Undertaken in March 2020 due to flooding)

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW01	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.458	mg/l	TM099	06/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW01	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	1.9	mg/l	TM045	06/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable
SW01	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	06/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW01	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	152	mg/l	TM152	06/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW01	Chloride	>300 mg/l	Monthly	168	mg/l	TM184	06/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW01	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.05	mS/cm	TM120	06/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW01	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	06/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW01	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	06/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW01	Nickel (diss.filt)	>0.1 mg/l	Monthly	2.67	ug/l	TM152	06/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable
SW01	Nitrate as N	>1 mg/l	Monthly	1.55	mg/l	TM184	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW01	Nitrite as N	>1 mg/l	Monthly	0.105	mg/l	TM184	06/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW01	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	4.49	mg/l	TM187	06/03/2020	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW01	pH	6.8 – 8.5	Monthly	7.79	pH Units	TM256	06/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW01	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.053	mg/l	TM184	06/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW01	Sulphate	>300 mg/l	Monthly	146	mg/l	TM184	06/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW01	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	25	mg/l	TM022	06/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable
SW01	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	114	ug/l	TM174	06/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable
SW01	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW01	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	1.65	mg/l	TM184	06/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW01	Zinc (tot.unfilt)	>1 mg/l	Monthly	49.9	ug/l	TM152	06/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW02	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.779	mg/l	TM099	06/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW02	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.51	mg/l	TM045	06/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable
SW02	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	06/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW02	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	95.7	mg/l	TM152	06/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW02	Chloride	>300 mg/l	Monthly	78.4	mg/l	TM184	06/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW02	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.65	mS/cm	TM120	06/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW02	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	06/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW02	Lead (diss.filt)	>0.25 mg/l	Monthly	0.268	ug/l	TM152	06/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW02	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.56	ug/l	TM152	06/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable
SW02	Nitrate as N	>1 mg/l	Monthly	1.49	mg/l	TM184	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW02	Nitrite as N	>1 mg/l	Monthly	0.0593	mg/l	TM184	06/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW02	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.73	mg/l	TM187	06/03/2020	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW02	pH	6.8 – 8.5	Monthly	7.9	pH Units	TM256	06/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW02	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.533	mg/l	TM184	06/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW02	Sulphate	>300 mg/l	Monthly	76	mg/l	TM184	06/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW02	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	12.5	mg/l	TM022	06/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable
SW02	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable
SW02	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW02	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	1.55	mg/l	TM184	06/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW02	Zinc (tot.unfilt)	>1 mg/l	Monthly	45.2	ug/l	TM152	06/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW18	Ammoniacal Nitrogen as N (low level)	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	2.09	mg/l	TM099	09/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW18	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	4.01	mg/l	TM045	09/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable
SW18	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	09/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW18	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	240	mg/l	TM152	09/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW18	Chloride	>300 mg/l	Monthly	388	mg/l	TM184	09/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW18	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.94	mS/cm	TM120	09/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW18	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	09/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW18	Lead (diss.filt)	>0.25 mg/l	Monthly	2.42	ug/l	TM152	09/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW18	Nickel (diss.filt)	>0.1 mg/l	Monthly	7.33	ug/l	TM152	09/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable
SW18	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	09/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW18	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	09/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW18	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.01	mg/l	TM187	09/03/2020	Lab Precision: N/A, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW18	pH	6.8 – 8.5	Monthly	7.82	pH Units	TM256	09/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW18	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.329	mg/l	TM184	09/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW18	Sulphate	>300 mg/l	Monthly	272	mg/l	TM184	09/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW18	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	21.3	mg/l	TM022	09/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable
SW18	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	09/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW18	Zinc (tot.unfilt)	>1 mg/l	Monthly	13.4	ug/l	TM152	09/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	Ammoniacal Nitrogen as N (low level)	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.0336	mg/l	TM099	09/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW19	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<1	mg/l	TM045	09/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable
SW19	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	09/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW19	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	85.1	mg/l	TM152	09/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW19	Chloride	>300 mg/l	Monthly	27.6	mg/l	TM184	09/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW19	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.566	mS/cm	TM120	09/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW19	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	09/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	Lead (diss.filt)	>0.25 mg/l	Monthly	0.738	ug/l	TM152	09/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW19	Nickel (diss.filt)	>0.1 mg/l	Monthly	1.51	ug/l	TM152	09/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable
SW19	Nitrate as N	>1 mg/l	Monthly	<0.0677	mg/l	TM184	09/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW19	Nitrite as N	>1 mg/l	Monthly	<0.0152	mg/l	TM184	09/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW19	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	9.23	mg/l	TM187	09/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW19	pH	6.8 – 8.5	Monthly	8.32	pH Units	TM256	09/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW19	Phosphate (Ortho as PO4)	>1 mg/l	Monthly	0.072	mg/l	TM184	09/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	Sulphate	>300 mg/l	Monthly	93.9	mg/l	TM184	09/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW19	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	5.7	mg/l	TM022	09/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable
SW19	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	<0.1	mg/l	TM184	09/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW19	Zinc (tot.unfilt)	>1 mg/l	Monthly	11.1	ug/l	TM152	09/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW20	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.71	mg/l	TM099	05/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW20	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	3	mg/l	TM045	05/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW20	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	05/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW20	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	165	mg/l	TM152	05/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW20	Chloride	>300 mg/l	Monthly	208	mg/l	TM184	05/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW20	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.31	mS/cm	TM120	05/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW20	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	05/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW20	Lead (diss.filt)	>0.25 mg/l	Monthly	0.898	ug/l	TM152	05/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW20	Nickel (diss.filt)	>0.1 mg/l	Monthly	6.21	ug/l	TM152	05/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW20	Nitrate as N	>1 mg/l	Monthly	1.06	mg/l	TM184	05/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW20	Nitrite as N	>1 mg/l	Monthly	0.0438	mg/l	TM184	05/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW20	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	2.99	mg/l	TM187	05/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW20	pH	6.8 – 8.5	Monthly	7.67	pH Units	TM256	05/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW20	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.388	mg/l	TM184	05/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW20	Sulphate	>300 mg/l	Monthly	206	mg/l	TM184	05/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW20	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions)	Monthly	14.5	mg/l	TM022	05/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
		>60 mg/l (4 consecutive occasions)						
SW20	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	05/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable
SW20	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	05/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable
SW20	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	1.1	mg/l	TM184	05/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW20	Zinc (tot.unfilt)	>1 mg/l	Monthly	27.2	ug/l	TM152	05/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW21	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.248	mg/l	TM099	05/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW21	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.66	mg/l	TM045	05/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW21	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	05/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW21	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	127	mg/l	TM152	05/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW21	Chloride	>300 mg/l	Monthly	167	mg/l	TM184	05/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW21	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.02	mS/cm	TM120	05/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW21	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	05/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW21	Lead (diss.filt)	>0.25 mg/l	Monthly	0.625	ug/l	TM152	05/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW21	Nickel (diss.filt)	>0.1 mg/l	Monthly	7.63	ug/l	TM152	05/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW21	Nitrate as N	>1 mg/l	Monthly	1.31	mg/l	TM184	05/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW21	Nitrite as N	>1 mg/l	Monthly	0.032	mg/l	TM184	05/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW21	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.17	mg/l	TM187	05/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW21	pH	6.8 – 8.5	Monthly	7.88	pH Units	TM256	05/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW21	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.277	mg/l	TM184	05/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW21	Sulphate	>300 mg/l	Monthly	157	mg/l	TM184	05/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW21	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions)	Monthly	20.5	mg/l	TM022	05/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
		>60 mg/l (4 consecutive occasions)						
SW21	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	05/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable
SW21	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	05/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable
SW21	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	1.34	mg/l	TM184	05/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW21	Zinc (tot.unfilt)	>1 mg/l	Monthly	22.4	ug/l	TM152	05/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW22	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.599	mg/l	TM099	06/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW22	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<1	mg/l	TM045	06/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW22	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	06/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW22	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	126	mg/l	TM152	06/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW22	Chloride	>300 mg/l	Monthly	94.4	mg/l	TM184	06/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW22	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.931	mS/cm	TM120	06/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW22	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	06/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW22	Lead (diss.filt)	>0.25 mg/l	Monthly	<0.2	ug/l	TM152	06/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW22	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.43	ug/l	TM152	06/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW22	Nitrate as N	>1 mg/l	Monthly	0.293	mg/l	TM184	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW22	Nitrite as N	>1 mg/l	Monthly	0.0283	mg/l	TM184	06/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW22	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	4.51	mg/l	TM187	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW22	pH	6.8 – 8.5	Monthly	7.45	pH Units	TM256	06/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW22	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.157	mg/l	TM184	06/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW22	Sulphate	>300 mg/l	Monthly	234	mg/l	TM184	06/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW22	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions)	Monthly	13	mg/l	TM022	06/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
		>60 mg/l (4 consecutive occasions)						
SW22	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable
SW22	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable
SW22	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.321	mg/l	TM184	06/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW22	Zinc (tot.unfilt)	>1 mg/l	Monthly	12	ug/l	TM152	06/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW23	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	<0.2	mg/l	TM099	06/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW23	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	2.24	mg/l	TM045	06/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW23	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	06/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW23	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	79.4	mg/l	TM152	06/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW23	Chloride	>300 mg/l	Monthly	62.6	mg/l	TM184	06/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW23	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.584	mS/cm	TM120	06/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW23	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	06/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW23	Lead (diss.filt)	>0.25 mg/l	Monthly	0.228	ug/l	TM152	06/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW23	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.38	ug/l	TM152	06/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW23	Nitrate as N	>1 mg/l	Monthly	0.297	mg/l	TM184	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW23	Nitrite as N	>1 mg/l	Monthly	0.0216	mg/l	TM184	06/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW23	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	7.18	mg/l	TM187	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW23	pH	6.8 – 8.5	Monthly	7.62	pH Units	TM256	06/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW23	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.239	mg/l	TM184	06/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW23	Sulphate	>300 mg/l	Monthly	107	mg/l	TM184	06/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW23	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions)	Monthly	15.5	mg/l	TM022	06/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
		>60 mg/l (4 consecutive occasions)						
SW23	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable
SW23	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable
SW23	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.319	mg/l	TM184	06/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW23	Zinc (tot.unfilt)	>1 mg/l	Monthly	15.3	ug/l	TM152	06/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW24	Ammoniacal Nitrogen as N (low level)	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.353	mg/l	TM099	09/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW24	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	1.86	mg/l	TM045	09/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW24	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	09/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW24	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	232	mg/l	TM152	09/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable
SW24	Chloride	>300 mg/l	Monthly	303	mg/l	TM184	09/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW24	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	1.79	mS/cm	TM120	09/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW24	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	09/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW24	Lead (diss.filt)	>0.25 mg/l	Monthly	1.08	ug/l	TM152	09/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW24	Nickel (diss.filt)	>0.1 mg/l	Monthly	4.23	ug/l	TM152	09/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW24	Nitrate as N	>1 mg/l	Monthly	0.752	mg/l	TM184	09/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW24	Nitrite as N	>1 mg/l	Monthly	0.0411	mg/l	TM184	09/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable
SW24	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.74	mg/l	TM187	09/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW24	pH	6.8 – 8.5	Monthly	8.02	pH Units	TM256	09/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW24	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.456	mg/l	TM184	09/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW24	Sulphate	>300 mg/l	Monthly	296	mg/l	TM184	09/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW24	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions)	Monthly	6.6	mg/l	TM022	09/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
		>60 mg/l (4 consecutive occasions)						
SW24	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.793	mg/l	TM184	09/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW24	Zinc (tot.unfilt)	>1 mg/l	Monthly	13.1	ug/l	TM152	09/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW25	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.239	mg/l	TM099	05/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW25	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	1.76	mg/l	TM045	05/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable
SW25	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	05/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW25	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	114	mg/l	TM152	05/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW25	Chloride	>300 mg/l	Monthly	152	mg/l	TM184	05/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW25	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.987	mS/cm	TM120	05/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW25	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	05/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW25	Lead (diss.filt)	>0.25 mg/l	Monthly	0.686	ug/l	TM152	05/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW25	Nickel (diss.filt)	>0.1 mg/l	Monthly	7.89	ug/l	TM152	05/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable
SW25	Nitrate as N	>1 mg/l	Monthly	1.2	mg/l	TM184	05/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW25	Nitrite as N	>1 mg/l	Monthly	0.0405	mg/l	TM184	05/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW25	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	5.14	mg/l	TM187	05/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW25	pH	6.8 – 8.5	Monthly	7.77	pH Units	TM256	05/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW25	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.278	mg/l	TM184	05/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW25	Sulphate	>300 mg/l	Monthly	147	mg/l	TM184	05/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW25	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	17	mg/l	TM022	05/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable
SW25	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	05/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW25	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	05/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable
SW25	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	1.24	mg/l	TM184	05/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW25	Zinc (tot.unfilt)	>1 mg/l	Monthly	21.9	ug/l	TM152	05/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, Sampling Immeasurable
SW26	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Monthly	0.318	mg/l	TM099	06/03/2020	Lab Precision: 2.2%, Bias: 1.24%, Expanded Uncertainty: 5.65%, Sampling Immeasurable
SW26	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Monthly	<1	mg/l	TM045	06/03/2020	Lab Precision: 5.42%, Bias: 0.44%, Expanded Uncertainty: 11.28%, Sampling Immeasurable
SW26	Cadmium (tot.unfilt)	>0.005 mg/l	Monthly	<0.5	ug/l	TM152	06/03/2020	Lab Precision: 3.66%, Bias: 0.62%, Expanded Uncertainty: 7.94%, Sampling Immeasurable
SW26	Calcium (Tot. Unfilt.)	>300 mg/l	Monthly	57.2	mg/l	TM152	06/03/2020	Lab Precision: 3.46%, Bias: 1.31%, Expanded Uncertainty: 8.23%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW26	Chloride	>300 mg/l	Monthly	42.9	mg/l	TM184	06/03/2020	Lab Precision: 3.32%, Bias: 2.14%, Expanded Uncertainty: 8.78%, Sampling Immeasurable
SW26	Conductivity @ 20 deg.C	>2000 µS/cm	Monthly	0.452	mS/cm	TM120	06/03/2020	Lab Precision: 0.63%, Bias: 3%, Expanded Uncertainty: 4.27%, Sampling Immeasurable
SW26	GRO >C5-C12	>2 mg/l	Monthly	<50	ug/l	TM245	06/03/2020	Lab Precision: 13.92%, Bias: 3.83%, Expanded Uncertainty: 31.67%, Sampling Immeasurable
SW26	Lead (diss.filt)	>0.25 mg/l	Monthly	0.21	ug/l	TM152	06/03/2020	Lab Precision: 3.6%, Bias: -0.33%, Expanded Uncertainty: 7.53%, Sampling Immeasurable
SW26	Nickel (diss.filt)	>0.1 mg/l	Monthly	3.7	ug/l	TM152	06/03/2020	Lab Precision: 3.33%, Bias: -1.98%, Expanded Uncertainty: 8.65%, Sampling Immeasurable
SW26	Nitrate as N	>1 mg/l	Monthly	0.275	mg/l	TM184	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW26	Nitrite as N	>1 mg/l	Monthly	0.0186	mg/l	TM184	06/03/2020	Lab Precision: 1.59%, Bias: 1.15%, Expanded Uncertainty: 4.33%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW26	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Monthly	6.59	mg/l	TM187	06/03/2020	Lab Precision: N/A, Sampling Immeasurable
SW26	pH	6.8 – 8.5	Monthly	7.49	pH Units	TM256	06/03/2020	Lab Precision: 0.03%, Bias: 0.1%, Expanded Uncertainty: 0.16%, Sampling Immeasurable
SW26	Phosphate (Ortho as PO ₄)	>1 mg/l	Monthly	0.374	mg/l	TM184	06/03/2020	Lab Precision: 1.87%, Bias: 1%, Expanded Uncertainty: 4.75%, Sampling Immeasurable
SW26	Sulphate	>300 mg/l	Monthly	66.3	mg/l	TM184	06/03/2020	Lab Precision: 3.55%, Bias: 1.31%, Expanded Uncertainty: 8.41%, Sampling Immeasurable
SW26	Suspended solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Monthly	20.5	mg/l	TM022	06/03/2020	Lab Precision: 0.84%, Bias: -0.35%, Expanded Uncertainty: 2.04%, Sampling Immeasurable
SW26	Total Aliphatics >C12-C35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 10.08%, Bias: 1.83%, Expanded Uncertainty: 21.99%, Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Time ⁽³⁾	Uncertainty ⁽⁴⁾
SW26	Total Aromatics >EC12-EC35 (aq)	>2 mg/l	Monthly	<10	ug/l	TM174	06/03/2020	Lab Precision: 9.07%, Bias: 1.11%, Expanded Uncertainty: 19.26%, Sampling Immeasurable
SW26	Total Oxidised Nitrogen as N	>2 mg/l	Monthly	0.294	mg/l	TM184	06/03/2020	Lab Precision: 3.59%, Bias: 2.49%, Expanded Uncertainty: 9.67%, Sampling Immeasurable
SW26	Zinc (tot.unfilt)	>1 mg/l	Monthly	18.8	ug/l	TM152	06/03/2020	Lab Precision: 3.34%, Bias: 0.23%, Expanded Uncertainty: 6.91%, 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:
Adam Parker

Date: April 2020



(Authorised to sign as representative of Operator)

Adam Parker on behalf of Neal Soil Suppliers
Permit Number: EPR/VP3095FS