Permit Number: EPR/VP3095FS Operator: Neal Soils

Facility: Neal Soils Form Number: Surfacewater1

Reporting of surface water results for quarterly monitoring in May 2017

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[(1)]	Test Method[(2)]	Sample Date and Times[(3)]	Uncertainty [(4)]
SW1	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	15 mg/l	TM022	24/05/2017 08:45	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW1	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	6.66 mg/l	TM045	24/05/2017 08:45	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW1	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	3.23 mg/l	TM099	24/05/2017 08:45	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW1	Conductivity	>2000 µS/cm	Quarterly	1.18 mS/cm	TM120	24/05/2017 08:45	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW1	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.883 µg/l	TM152	24/05/2017 08:45	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW1	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.96 µg/l	TM152	24/05/2017 08:45	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW1	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	309 µg/l	TM172	24/05/2017 08:45	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW1	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	68.5 µg/l	TM172	24/05/2017 08:45	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW1	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	156 µg/l	TM172	24/05/2017 08:45	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW1	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	83.9 µg/l	TM172	24/05/2017 08:45	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW1	Sulphate	>300 mg/l	Quarterly	270 mg/l	TM184	24/05/2017 08:45	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW1	Chloride	>300 mg/l	Quarterly	114 mg/l	TM184	24/05/2017 08:45	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW1	Nitrite as N	>1 mg/l	Quarterly	0.0606 mg/l	TM184	24/05/2017 08:45	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW1	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	<0.05 mg/l	TM184	24/05/2017 08:45	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW1	Nitrate as N	>1 mg/l	Quarterly	0.205 mg/l	TM184	24/05/2017 08:45	Lab: Unknown. Sampling: Immeasurable
SW1	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.266 mg/l	TM184	24/05/2017 08:45	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW1	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	8.19 mg/l	TM187	24/05/2017 08:45	Lab: Unknown. Sampling: Immeasurable
SW1	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	24/05/2017 08:45	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW1	Zinc (tot.unfilt)	>1 mg/l	Quarterly	19.5 µg/l	TM191	24/05/2017 08:45	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW1	Calcium (tot.unfilt)	>300 mg/l	Quarterly	166 mg/l	TM228	24/05/2017 08:45	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW1	pH	6.8 ï 8.5	Quarterly	7.81 pH Units	TM256	24/05/2017 08:45	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW1	GRO>C5-12	>2 mg/l	Quarterly	<50 µg/l	TM245	24/05/2017 08:45	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW 1	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:45	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW 1	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:45	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW1	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:45	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW1	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:45	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW1	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:45	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW1	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:45	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW2	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	7.1 mg/l	TM022	24/05/2017 08:30	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW2	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	6.64 mg/l	TM045	24/05/2017 08:30	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW2	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	16.2 mg/l	TM099	24/05/2017 08:30	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW2	Conductivity	>2000 µS/cm	Quarterly	1.13 mS/cm	TM120	24/05/2017 08:30	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW2	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.292 µg/l	TM152	24/05/2017 08:30	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW2	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.11 µg/l	TM152	24/05/2017 08:30	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW2	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	441 µg/l	TM172	24/05/2017 08:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW2	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	187 µg/l	TM172	24/05/2017 08:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW2	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	166 µg/l	TM172	24/05/2017 08:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW2	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	88.1 µg/l	TM172	24/05/2017 08:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW2	Sulphate	>300 mg/l	Quarterly	229 mg/l	TM184	24/05/2017 08:30	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW2	Chloride	>300 mg/l	Quarterly	97.7 mg/l	TM184	24/05/2017 08:30	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW2	Nitrite as N	>1 mg/l	Quarterly	0.018 mg/l	TM184	24/05/2017 08:30	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW2	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	3.08 mg/l	TM184	24/05/2017 08:30	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW2	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	24/05/2017 08:30	Lab: Unknown. Sampling: Immeasurable
SW2	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	24/05/2017 08:30	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW2	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	0.99 mg/l	TM187	24/05/2017 08:30	Lab: Unknown. Sampling: Immeasurable
SW2	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	24/05/2017 08:30	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW2	Zinc (tot.unfilt)	>1 mg/l	Quarterly	20 µg/l	TM191	24/05/2017 08:30	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW2	Calcium (tot.unfilt)	>300 mg/l	Quarterly	156 mg/l	TM228	24/05/2017 08:30	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW2	pH	6.8 ï 8.5	Quarterly	7.7 pH Units	TM256	24/05/2017 08:30	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW 2	GRO>C5-12	>2 mg/l	Quarterly	<50 µg/l	TM245	24/05/2017 08:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW 2	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW 2	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW 2	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW 2	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW 2	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW 2	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	24/05/2017 08:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW18	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	11.6 mg/l	TM022	25/05/2017 11:00	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW18	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.16 mg/l	TM045	25/05/2017 11:00	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW18	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.167 mg/l	TM099	25/05/2017 11:00	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW18	Conductivity	>2000 µS/cm	Quarterly	4.28 mS/cm	TM120	25/05/2017 11:00	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW18	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 11:00	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW18	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.89 µg/l	TM152	25/05/2017 11:00	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW18	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	25/05/2017 11:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW18	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	21.6 µg/l	TM172	25/05/2017 11:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW18	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 11:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW18	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 11:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW18	Sulphate	>300 mg/l	Quarterly	560 mg/l	TM184	25/05/2017 11:00	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable
SW18	Chloride	>300 mg/l	Quarterly	1,250 mg/l	TM184	25/05/2017 11:00	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW18	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	25/05/2017 11:00	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW18	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	0.122 mg/l	TM184	25/05/2017 11:00	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW18	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 11:00	Lab: Unknown. Sampling: Immeasurable
SW18	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 11:00	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW18	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	6.4 mg/l	TM187	25/05/2017 11:00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW18	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 11:00	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable
SW18	Zinc (tot.unfilt)	>1 mg/l	Quarterly	3.47 µg/l	TM191	25/05/2017 11:00	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW18	Calcium (tot.unfilt)	>300 mg/l	Quarterly	258 mg/l	TM228	25/05/2017 11:00	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW18	pH	6.8 ï 8.5	Quarterly	7.92 pH Units	TM256	25/05/2017 11:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW18	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 11:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW18	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW18	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW18	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW18	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW18	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW18	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW19	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	5.4 mg/l	TM022	25/05/2017 11:30	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW19	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	25/05/2017 11:30	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW19	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0508 mg/l	TM099	25/05/2017 11:30	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable
SW19	Conductivity	>2000 µS/cm	Quarterly	1.1 mS/cm	TM120	25/05/2017 11:30	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW19	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 11:30	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW19	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.22 µg/l	TM152	25/05/2017 11:30	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW19	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	25/05/2017 11:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW19	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 11:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW19	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 11:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW19	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 11:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW19	Sulphate	>300 mg/l	Quarterly	303 mg/l	TM184	25/05/2017 11:30	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable
SW19	Chloride	>300 mg/l	Quarterly	69 mg/l	TM184	25/05/2017 11:30	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW19	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	25/05/2017 11:30	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW19	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	<0.05 mg/l	TM184	25/05/2017 11:30	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW19	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 11:30	Lab: Unknown. Sampling: Immeasurable
SW19	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 11:30	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW19	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.02 mg/l	TM187	25/05/2017 11:30	Lab: Unknown. Sampling: Immeasurable
SW19	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 11:30	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable
SW19	Zinc (tot.unfilt)	>1 mg/l	Quarterly	3.97 µg/l	TM191	25/05/2017 11:30	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW19	Calcium (tot.unfilt)	>300 mg/l	Quarterly	152 mg/l	TM228	25/05/2017 11:30	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW19	pH	6.8 ï 8.5	Quarterly	7.52 pH Units	TM256	25/05/2017 11:30	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW19	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 11:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW19	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW19	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW19	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW19	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW19	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW19	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 11:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW20	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	5.45 mg/l	TM022	25/05/2017 15:20	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW20	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	25/05/2017 15:20	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW20	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.602 mg/l	TM099	25/05/2017 15:20	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable
SW20	Conductivity	>2000 µS/cm	Quarterly	2.5 mS/cm	TM120	25/05/2017 15:20	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW20	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 15:20	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW20	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.42 µg/l	TM152	25/05/2017 15:20	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW20	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	63.7 µg/l	TM172	25/05/2017 15:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW20	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	25.8 µg/l	TM172	25/05/2017 15:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW 20	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	26.4 µg/l	TM172	25/05/2017 15:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW20	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	11.6 µg/l	TM172	25/05/2017 15:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW20	Sulphate	>300 mg/l	Quarterly	494 mg/l	TM184	25/05/2017 15:20	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable
SW20	Chloride	>300 mg/l	Quarterly	465 mg/l	TM184	25/05/2017 15:20	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW20	Nitrite as N	>1 mg/l	Quarterly	0.0301 mg/l	TM184	25/05/2017 15:20	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW20	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	1.26 mg/l	TM184	25/05/2017 15:20	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW20	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 15:20	Lab: Unknown. Sampling: Immeasurable
SW20	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 15:20	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW20	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.94 mg/l	TM187	25/05/2017 15:20	Lab: Unknown. Sampling: Immeasurable
SW20	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	0.516 µg/l	TM191	25/05/2017 15:20	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable
SW20	Zinc (tot.unfilt)	>1 mg/l	Quarterly	144 µg/l	TM191	25/05/2017 15:20	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW20	Calcium (tot.unfilt)	>300 mg/l	Quarterly	294 mg/l	TM228	25/05/2017 15:20	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW20	pH	6.8 ï 8.5	Quarterly	7.62 pH Units	TM256	25/05/2017 15:20	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW20	GRO>C5-12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 15:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW20	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW20	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW20	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW20	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW20	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW20	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[(1)]	Test Method[(2)]	Sample Date and Times[(3)]	Uncertainty [(4)]
SW21	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	4.25 mg/l	TM022	25/05/2017 10:00	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW21	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	25/05/2017 10:00	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW21	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.574 mg/l	TM099	25/05/2017 10:00	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable
SW21	Conductivity	>2000 µS/cm	Quarterly	1.54 mS/cm	TM120	25/05/2017 10:00	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW21	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 10:00	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW21	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4 µg/l	TM152	25/05/2017 10:00	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW21	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	52.4 µg/l	TM172	25/05/2017 10:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW21	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	14.9 µg/l	TM172	25/05/2017 10:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW21	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	20.9 µg/l	TM172	25/05/2017 10:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW21	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	16.6 µg/l	TM172	25/05/2017 10:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW21	Sulphate	>300 mg/l	Quarterly	294 mg/l	TM184	25/05/2017 10:00	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable
SW21	Chloride	>300 mg/l	Quarterly	199 mg/l	TM184	25/05/2017 10:00	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW21	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	25/05/2017 10:00	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW21	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	1.25 mg/l	TM184	25/05/2017 10:00	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW21	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 10:00	Lab: Unknown. Sampling: Immeasurable
SW21	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 10:00	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW21	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.42 mg/l	TM187	25/05/2017 10:00	Lab: Unknown. Sampling: Immeasurable
SW21	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 10:00	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable
SW21	Zinc (tot.unfilt)	>1 mg/l	Quarterly	12.7 µg/l	TM191	25/05/2017 10:00	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW21	Calcium (tot.unfilt)	>300 mg/l	Quarterly	177 mg/l	TM228	25/05/2017 10:00	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW21	pH	6.8 ï 8.5	Quarterly	7.58 pH Units	TM256	25/05/2017 10:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW21	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 10:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW21	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW21	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW21	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW21	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW21	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW21	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW22	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	19.1 mg/l	TM022	25/05/2017 15:00	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW22	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.68 mg/l	TM045	25/05/2017 15:00	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW22	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.265 mg/l	TM099	25/05/2017 15:00	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW22	Conductivity	>2000 µS/cm	Quarterly	1.38 mS/cm	TM120	25/05/2017 15:00	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW22	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 15:00	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW22	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.44 µg/l	TM152	25/05/2017 15:00	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW22	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	25/05/2017 15:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW22	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 15:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW22	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 15:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW22	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 15:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW22	Sulphate	>300 mg/l	Quarterly	237 mg/l	TM184	25/05/2017 15:00	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW22	Chloride	>300 mg/l	Quarterly	159 mg/l	TM184	25/05/2017 15:00	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW22	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	25/05/2017 15:00	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW22	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	0.97 mg/l	TM184	25/05/2017 15:00	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW22	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 15:00	Lab: Unknown. Sampling: Immeasurable
SW22	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 15:00	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW22	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.83 mg/l	TM187	25/05/2017 15:00	Lab: Unknown. Sampling: Immeasurable
SW22	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 15:00	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW22	Zinc (tot.unfilt)	>1 mg/l	Quarterly	<3 µg/l	TM191	25/05/2017 15:00	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW22	Calcium (tot.unfilt)	>300 mg/l	Quarterly	159 mg/l	TM228	25/05/2017 15:00	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW22	pH	6.8 ï 8.5	Quarterly	7.58 pH Units	TM256	25/05/2017 15:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW22	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 15:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW22	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW22	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW22	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW22	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW22	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW22	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 15:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW23	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	15.6 mg/l	TM022	25/05/2017 09:00	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW23	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.55 mg/l	TM045	25/05/2017 09:00	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW23	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.249 mg/l	TM099	25/05/2017 09:00	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW23	Conductivity	>2000 µS/cm	Quarterly	1.06 mS/cm	TM120	25/05/2017 09:00	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW23	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 09:00	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW23	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.29 µg/l	TM152	25/05/2017 09:00	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW23	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	319 µg/l	TM172	25/05/2017 09:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW23	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	71.2 µg/l	TM172	25/05/2017 09:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW23	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	155 µg/l	TM172	25/05/2017 09:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW23	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	92.5 µg/l	TM172	25/05/2017 09:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW23	Sulphate	>300 mg/l	Quarterly	126 mg/l	TM184	25/05/2017 09:00	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW23	Chloride	>300 mg/l	Quarterly	105 mg/l	TM184	25/05/2017 09:00	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW23	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	25/05/2017 09:00	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW23	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	1.47 mg/l	TM184	25/05/2017 09:00	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW23	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 09:00	Lab: Unknown. Sampling: Immeasurable
SW23	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 09:00	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW23	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	0.57 mg/l	TM187	25/05/2017 09:00	Lab: Unknown. Sampling: Immeasurable
SW23	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 09:00	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW23	Zinc (tot.unfilt)	>1 mg/l	Quarterly	30.6 µg/l	TM191	25/05/2017 09:00	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW23	Calcium (tot.unfilt)	>300 mg/l	Quarterly	135 mg/l	TM228	25/05/2017 09:00	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW23	pH	6.8 ï 8.5	Quarterly	7.47 pH Units	TM256	25/05/2017 09:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW23	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 09:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW23	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW23	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW23	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW23	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW23	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW23	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW24	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	9.1 mg/l	TM022	25/05/2017 12:00	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW24	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.09 mg/l	TM045	25/05/2017 12:00	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW24	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.537 mg/l	TM099	25/05/2017 12:00	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW24	Conductivity	>2000 µS/cm	Quarterly	3.56 mS/cm	TM120	25/05/2017 12:00	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW24	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 12:00	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW24	Nickel (diss.filt)	>0.1 mg/l	Quarterly	5.81 µg/l	TM152	25/05/2017 12:00	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW24	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	51.8 µg/l	TM172	25/05/2017 12:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW24	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	23.5 µg/l	TM172	25/05/2017 12:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW24	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	19.2 µg/l	TM172	25/05/2017 12:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW24	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 12:00	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW24	Sulphate	>300 mg/l	Quarterly	557 mg/l	TM184	25/05/2017 12:00	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW24	Chloride	>300 mg/l	Quarterly	868 mg/l	TM184	25/05/2017 12:00	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW24	Nitrite as N	>1 mg/l	Quarterly	0.018 mg/l	TM184	25/05/2017 12:00	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW24	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	0.559 mg/l	TM184	25/05/2017 12:00	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW24	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 12:00	Lab: Unknown. Sampling: Immeasurable
SW24	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 12:00	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW24	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	8.46 mg/l	TM187	25/05/2017 12:00	Lab: Unknown. Sampling: Immeasurable
SW24	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 12:00	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW24	Zinc (tot.unfilt)	>1 mg/l	Quarterly	48.3 µg/l	TM191	25/05/2017 12:00	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW24	Calcium (tot.unfilt)	>300 mg/l	Quarterly	309 mg/l	TM228	25/05/2017 12:00	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW24	pH	6.8 ï 8.5	Quarterly	7.75 pH Units	TM256	25/05/2017 12:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW24	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 12:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW24	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 12:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW24	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 12:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW24	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 12:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW24	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 12:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW24	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 12:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW24	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 12:00	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW25	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	25/05/2017 10:20	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable
SW25	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	25/05/2017 10:20	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW25	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.683 mg/l	TM099	25/05/2017 10:20	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable
SW25	Conductivity	>2000 µS/cm	Quarterly	1.18 mS/cm	TM120	25/05/2017 10:20	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW25	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 10:20	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW25	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.02 µg/l	TM152	25/05/2017 10:20	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW25	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	25/05/2017 10:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW25	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 10:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW25	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	17.1 µg/l	TM172	25/05/2017 10:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW25	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 10:20	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW25	Sulphate	>300 mg/l	Quarterly	189 mg/l	TM184	25/05/2017 10:20	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable
SW25	Chloride	>300 mg/l	Quarterly	145 mg/l	TM184	25/05/2017 10:20	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW25	Nitrite as N	>1 mg/l	Quarterly	0.0173 mg/l	TM184	25/05/2017 10:20	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW25	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	0.544 mg/l	TM184	25/05/2017 10:20	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW25	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 10:20	Lab: Unknown. Sampling: Immeasurable
SW25	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 10:20	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW25	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.89 mg/l	TM187	25/05/2017 10:20	Lab: Unknown. Sampling: Immeasurable
SW25	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 10:20	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable
SW25	Zinc (tot.unfilt)	>1 mg/l	Quarterly	28.9 µg/l	TM191	25/05/2017 10:20	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW25	Calcium (tot.unfilt)	>300 mg/l	Quarterly	130 mg/l	TM228	25/05/2017 10:20	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW25	pH	6.8 ï 8.5	Quarterly	7.7 pH Units	TM256	25/05/2017 10:20	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW25	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 10:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW25	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[(1)]	Test Method[(2)]	Sample Date and Times[(3)]	Uncertainty [(4)]
SW25	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW25	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW25	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW25	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW25	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 10:20	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW26	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	16.1 mg/l	TM022	25/05/2017 09:30	Lab: Precision 1.1%, Bias -1.5%, Expanded Uncertainty 3.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW26	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<3 mg/l	TM045	25/05/2017 09:30	Lab: Precision 9.7%, Bias -3.7%, Expanded Uncertainty 23.0%. Sampling: Immeasurable
SW26	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.118 mg/l	TM099	25/05/2017 09:30	Lab: Precision 2.6%, Bias 1.4%, Expanded Uncertainty 6.5%. Sampling: Immeasurable
SW26	Conductivity	>2000 µS/cm	Quarterly	0.961 mS/cm	TM120	25/05/2017 09:30	Lab: Precision 1.2%, Bias 2.7%, Expanded Uncertainty 5.1%. Sampling: Immeasurable
SW26	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2 µg/l	TM152	25/05/2017 09:30	Lab: Precision 4.0%, Bias -0.1%, Expanded Uncertainty 8.0%. Sampling: Immeasurable
SW26	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.38 µg/l	TM152	25/05/2017 09:30	Lab: Precision 3.6%, Bias 1.2%, Expanded Uncertainty 8.4%. Sampling: Immeasurable
SW26	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	53.3 µg/l	TM172	25/05/2017 09:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW26	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	23.6 µg/l	TM172	25/05/2017 09:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW26	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	25/05/2017 09:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW26	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	29.7 µg/l	TM172	25/05/2017 09:30	Lab: Precision 7.5%, Bias -11.2%, Expanded Uncertainty 26.1%. Sampling: Immeasurable
SW26	Sulphate	>300 mg/l	Quarterly	111 mg/l	TM184	25/05/2017 09:30	Lab: Precision 1.7%, Bias 5.3%, Expanded Uncertainty 8.7%. Sampling: Immeasurable
SW26	Chloride	>300 mg/l	Quarterly	105 mg/l	TM184	25/05/2017 09:30	Lab: Precision 3.0%, Bias 5.7%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW26	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	25/05/2017 09:30	Lab: Precision 1.2%, Bias 2.0%, Expanded Uncertainty 4.4%. Sampling: Immeasurable
SW26	Phosphate (ortho) as PO_4	>1 mg/l	Quarterly	0.628 mg/l	TM184	25/05/2017 09:30	Lab: Precision 1.3%, Bias 1.6%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW26	Nitrate as N	>1 mg/l	Quarterly	<0.0677 mg/l	TM184	25/05/2017 09:30	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW26	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1 mg/l	TM184	25/05/2017 09:30	Lab: Precision 2.3%, Bias 6.0%, Expanded Uncertainty 10.6%. Sampling: Immeasurable
SW26	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.73 mg/l	TM187	25/05/2017 09:30	Lab: Unknown. Sampling: Immeasurable
SW26	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	25/05/2017 09:30	Lab: Precision 7.4%, Bias -6.4%, Expanded Uncertainty 21.3%. Sampling: Immeasurable
SW26	Zinc (tot.unfilt)	>1 mg/l	Quarterly	4.78 µg/l	TM191	25/05/2017 09:30	Lab: Precision 5.9%, Bias -6.2%, Expanded Uncertainty 17.9%. Sampling: Immeasurable
SW26	Calcium (tot.unfilt)	>300 mg/l	Quarterly	102 mg/l	TM228	25/05/2017 09:30	Lab: Precision 5.5%, Bias -0.8%, Expanded Uncertainty 11.8%. Sampling: Immeasurable
SW26	pH	6.8 ï 8.5	Quarterly	7.53 pH Units	TM256	25/05/2017 09:30	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.7%. Sampling: Immeasurable
SW26	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	25/05/2017 09:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW26	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW26	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW26	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW26	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW26	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. Sampling: Immeasurable
SW26	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	25/05/2017 09:30	Lab: Precision 8.5%, Bias -2.6%, Expanded Uncertainty 19.5%. 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.

[4] The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.



Signedé é

Date: June 2017

(Authorised to sign as representative of Operator)

Ahlim Hashm on behalf of Neal Soils
Permit Number EPR/VP3095FS