

Permit Number: EPR/VP3095FS

Operator: Neal Soils

Facility: Neal Soils

Form Number: Surfacewater1

Reporting of surface water monitoring for quarterly monitoring in November 2017

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	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	11.1	mg/l	TM022	16/11/2017 at 08.30	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW1	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<50	mg/l	TM045	16/11/2017 at 08.30	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW1	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	16.6	mg/l	TM099	16/11/2017 at 08.30	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW1	Conductivity	>2000 µS/cm	Quarterly	1.25	mS/cm	TM120	16/11/2017 at 08.30	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
SW1	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.633	µg/l	TM152	16/11/2017 at 08.30	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW1	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.82	µg/l	TM152	16/11/2017 at 08.30	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW1	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	2,780	µg/l	TM172	16/11/2017 at 08.30	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW1	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	1,440	µg/l	TM172	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW1	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	1,170	µg/l	TM172	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW1	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	168	µg/l	TM172	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW1	Sulphate	>300 mg/l	Quarterly	274	mg/l	TM184	16/11/2017 at 08.30	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW1	Chloride	>300 mg/l	Quarterly	78.1	mg/l	TM184	16/11/2017 at 08.30	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW1	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/11/2017 at 08.30	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW1	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	1.67	mg/l	TM184	16/11/2017 at 08.30	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW1	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW1	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/11/2017 at 08.30	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW1	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.31	mg/l	TM187	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW1	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 08.30	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW1	Zinc (tot.unfilt)	>1 mg/l	Quarterly	18	µg/l	TM191	16/11/2017 at 08.30	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW1	Calcium (tot.unfilt)	>300 mg/l	Quarterly	169	mg/l	TM228	16/11/2017 at 08.30	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
SW1	pH	6.8 ÷ 8.5	Quarterly	7.84	pH Units	TM256	16/11/2017 at 08.30	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW1	GRO>C5-C12	>2 mg/l	Quarterly	231	µg/l	TM245	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW 1	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW 1	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW1	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW1	GRO >C8-C10	>2 mg/l	Quarterly	18	µg/l	TM245	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW1	GRO >C10-C12	>2 mg/l	Quarterly	199	µg/l	TM245	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable
SW1	GRO >C5-C10	>2 mg/l	Quarterly	23	µg/l	TM245	16/11/2017 at 08.30	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW2	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	128	mg/l	TM022	16/11/2017 at 08.15	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW2	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	11.3	mg/l	TM045	16/11/2017 at 08.15	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW2	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	12.1	mg/l	TM099	16/11/2017 at 08.15	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW2	Conductivity	>2000 µS/cm	Quarterly	1.13	mS/cm	TM120	16/11/2017 at 08.15	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
SW2	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.308	µg/l	TM152	16/11/2017 at 08.15	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW2	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.08	µg/l	TM152	16/11/2017 at 08.15	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW2	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	975	µg/l	TM172	16/11/2017 at 08.15	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW2	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	592	µg/l	TM172	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW2	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	287	µg/l	TM172	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW2	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW2	Sulphate	>300 mg/l	Quarterly	253	mg/l	TM184	16/11/2017 at 08.15	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW2	Chloride	>300 mg/l	Quarterly	74.7	mg/l	TM184	16/11/2017 at 08.15	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW2	Nitrite as N	>1 mg/l	Quarterly	0.028	mg/l	TM184	16/11/2017 at 08.15	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW2	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	1.7	mg/l	TM184	16/11/2017 at 08.15	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW2	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW2	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/11/2017 at 08.15	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW2	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	<0.3	mg/l	TM187	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW2	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 08.15	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW2	Zinc (tot.unfilt)	>1 mg/l	Quarterly	88.4	µg/l	TM191	16/11/2017 at 08.15	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW2	Calcium (tot.unfilt)	>300 mg/l	Quarterly	172	mg/l	TM228	16/11/2017 at 08.15	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
SW2	pH	6.8 ÷ 8.5	Quarterly	7.8	pH Units	TM256	16/11/2017 at 08.15	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW 2	GRO>C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW 2	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW 2	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW 2	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW 2	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 2	GRO >C10-C12	>2 mg/l	Quarterly	33	µg/l	TM245	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW 2	GRO >C5-C10	>2 mg/l	Quarterly	11	µg/l	TM245	16/11/2017 at 08.15	Lab: Unknown. Sampling: Immeasurable
SW18	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	<2	mg/l	TM022	16/11/2017 at 13.00	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW18	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1	mg/l	TM045	16/11/2017 at 13.00	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW18	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.37	mg/l	TM099	16/11/2017 at 13.00	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW18	Conductivity	>2000 µS/cm	Quarterly	1.43	mS/cm	TM120	16/11/2017 at	Lab:precision 1%, Bias 2.9%,

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							13.00	Expanded Uncertainty 4.9%. Sampling Immeasurable
SW18	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 13.00	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW18	Nickel (diss.filt)	>0.1 mg/l	Quarterly	0.888	µg/l	TM152	16/11/2017 at 13.00	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW18	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 13.00	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW18	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW18	Sulphate	>300 mg/l	Quarterly	73.7	mg/l	TM184	16/11/2017 at 13.00	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW18	Chloride	>300 mg/l	Quarterly	313	mg/l	TM184	16/11/2017 at 13.00	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW18	Nitrite as N	>1 mg/l	Quarterly	0.0755	mg/l	TM184	16/11/2017 at 13.00	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW18	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.654	mg/l	TM184	16/11/2017 at 13.00	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW18	Nitrate as N	>1 mg/l	Quarterly	0.621	mg/l	TM184	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.697	mg/l	TM184	16/11/2017 at 13.00	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW18	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3	Quarterly	5.3	mg/l	TM187	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		consecutive occasions)						
SW18	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 13.00	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW18	Zinc (tot.unfilt)	>1 mg/l	Quarterly	5.71	µg/l	TM191	16/11/2017 at 13.00	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW18	Calcium (tot.unfilt)	>300 mg/l	Quarterly	55.1	mg/l	TM228	16/11/2017 at 13.00	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
SW18	pH	6.8 ÷ 8.5	Quarterly	7.89	pH Units	TM256	16/11/2017 at 13.00	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW18	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW18	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW18	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 13.00	Lab: Unknown. Sampling: Immeasurable
SW19	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive)	Quarterly	20.6	mg/l	TM022	16/11/2017 at 14.00	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		occasions) >60 mg/l (4 consecutive occasions)						
SW19	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<50	mg/l	TM045	16/11/2017 at 14.00	Lab:precision 9.6%, Bias - 6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW19	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.666	mg/l	TM099	16/11/2017 at 14.00	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW19	Conductivity	>2000 µS/cm	Quarterly	1.14	mS/cm	TM120	16/11/2017 at 14.00	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
SW19	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 14.00	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW19	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.25	µg/l	TM152	16/11/2017 at 14.00	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	185	µg/l	TM172	16/11/2017 at 14.00	Lab:precision 10.3%, Bias - 13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW19	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	Sulphate	>300 mg/l	Quarterly	83.6	mg/l	TM184	16/11/2017 at 14.00	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW19	Chloride	>300 mg/l	Quarterly	128	mg/l	TM184	16/11/2017 at 14.00	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/11/2017 at 14.00	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW19	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	2.41	mg/l	TM184	16/11/2017 at 14.00	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW19	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/11/2017 at 14.00	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	<0.3	mg/l	TM187	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 14.00	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW19	Zinc (tot.unfilt)	>1 mg/l	Quarterly	33.4	µg/l	TM191	16/11/2017 at 14.00	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW19	Calcium (tot.unfilt)	>300 mg/l	Quarterly	130	mg/l	TM228	16/11/2017 at 14.00	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	pH	6.8 ÷ 8.5	Quarterly	7.34	pH Units	TM256	16/11/2017 at 14.00	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW19	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW19	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.00	Lab: Unknown. Sampling: Immeasurable
SW 20	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	3.15	mg/l	TM022	16/11/2017 at 12.00	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW 20	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1.25	mg/l	TM045	16/11/2017 at 12.00	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW 20	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.4	mg/l	TM099	16/11/2017 at 12.00	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 20	Conductivity	>2000 µS/cm	Quarterly	2.25	mS/cm	TM120	16/11/2017 at 12.00	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
SW 20	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 12.00	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW 20	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.91	µg/l	TM152	16/11/2017 at 12.00	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW 20	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	118	µg/l	TM172	16/11/2017 at 12.00	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW 20	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 20	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	Sulphate	>300 mg/l	Quarterly	254	mg/l	TM184	16/11/2017 at 12.00	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW 20	Chloride	>300 mg/l	Quarterly	552	mg/l	TM184	16/11/2017 at 12.00	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW 20	Nitrite as N	>1 mg/l	Quarterly	0.067	mg/l	TM184	16/11/2017 at 12.00	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW 20	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.687	mg/l	TM184	16/11/2017 at 12.00	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW 20	Nitrate as N	>1 mg/l	Quarterly	0.427	mg/l	TM184	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 20	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.494	mg/l	TM184	16/11/2017 at 12.00	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW 20	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.68	mg/l	TM187	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 12.00	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW 20	Zinc (tot.unfilt)	>1 mg/l	Quarterly	19	µg/l	TM191	16/11/2017 at 12.00	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW 20	Calcium (tot.unfilt)	>300 mg/l	Quarterly	119	mg/l	TM228	16/11/2017 at 12.00	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 20	pH	6.8 ÷ 8.5	Quarterly	7.8	pH Units	TM256	16/11/2017 at 12.00	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW 20	GRO>C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 20	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 20	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 12.00	Lab: Unknown. Sampling: Immeasurable
SW 21	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	30.8	mg/l	TM022	16/11/2017 at 10.20	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW 21	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	7.08	mg/l	TM045	16/11/2017 at 10.20	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 21	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	1.11	mg/l	TM099	16/11/2017 at 10.20	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW 21	Conductivity	>2000 µS/cm	Quarterly	1.25	mS/cm	TM120	16/11/2017 at 10.20	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
SW 21	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 10.20	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW 21	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.93	µg/l	TM152	16/11/2017 at 10.20	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW 21	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	610	µg/l	TM172	16/11/2017 at 10.20	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 21	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	122	µg/l	TM172	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW 21	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	198	µg/l	TM172	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW 21	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	290	µg/l	TM172	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW 21	Sulphate	>300 mg/l	Quarterly	132	mg/l	TM184	16/11/2017 at 10.20	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW 21	Chloride	>300 mg/l	Quarterly	174	mg/l	TM184	16/11/2017 at 10.20	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW 21	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/11/2017 at 10.20	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW 21	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	2.92	mg/l	TM184	16/11/2017 at 10.20	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 21	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW 21	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/11/2017 at 10.20	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW 21	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	0.65	mg/l	TM187	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW 21	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 10.20	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW 21	Zinc (tot.unfilt)	>1 mg/l	Quarterly	13	µg/l	TM191	16/11/2017 at 10.20	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW 21	Calcium (tot.unfilt)	>300 mg/l	Quarterly	128	mg/l	TM228	16/11/2017 at 10.20	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 21	pH	6.8 ÷ 8.5	Quarterly	7.49	pH Units	TM256	16/11/2017 at 10.20	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW21	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW21	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW21	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW21	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW21	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW21	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW21	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.20	Lab: Unknown. Sampling: Immeasurable
SW 22	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	6.75	mg/l	TM022	16/11/2017 at 14.45	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW 22	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.38	mg/l	TM045	16/11/2017 at 14.45	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW 22	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.153	mg/l	TM099	16/11/2017 at 14.45	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW 22	Conductivity	>2000 µS/cm	Quarterly	0.607	mS/cm	TM120	16/11/2017 at 14.45	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 22	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 14.45	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW 22	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.03	µg/l	TM152	16/11/2017 at 14.45	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW 22	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 14.45	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW 22	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW 22	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW 22	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW 22	Sulphate	>300 mg/l	Quarterly	48	mg/l	TM184	16/11/2017 at 14.45	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW 22	Chloride	>300 mg/l	Quarterly	48.2	mg/l	TM184	16/11/2017 at 14.45	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
								Sampling Immeasurable
SW 22	Nitrite as N	>1 mg/l	Quarterly	<0.0152	152 mg/l	TM184	16/11/2017 at 14.45	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW 22	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.961	mg/l	TM184	16/11/2017 at 14.45	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW 22	Nitrate as N	>1 mg/l	Quarterly	0.181	mg/l	TM184	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW 22	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.196	mg/l	TM184	16/11/2017 at 14.45	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW 22	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	8.36	mg/l	TM187	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW 22	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 14.45	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 22	Zinc (tot.unfilt)	>1 mg/l	Quarterly	<3	µg/l	TM191	16/11/2017 at 14.45	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW 22	Calcium (tot.unfilt)	>300 mg/l	Quarterly	71.5	mg/l	TM228	16/11/2017 at 14.45	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
SW 22	pH	6.8 ÷ 8.5	Quarterly	7.95	pH units	TM256	16/11/2017 at 14.45	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW22	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW22	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW22	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW22	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW22	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW22	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW22	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 14.45	Lab: Unknown. Sampling: Immeasurable
SW 23	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4	Quarterly	4.35	mg/l	TM022	16/11/2017 at 10.00	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		consecutive occasions)						
SW 23	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.66	mg/l	TM045	16/11/2017 at 10.00	Lab:precision 9.6%, Bias - 6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW 23	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.134	mg/l	TM099	16/11/2017 at 10.00	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW 23	Conductivity	>2000 µS/cm	Quarterly	0.699	mS/cm	TM120	16/11/2017 at 10.00	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
SW 23	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 10.00	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW 23	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.12	µg/l	TM152	16/11/2017 at 10.00	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW 23	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	101	µg/l	TM172	16/11/2017 at 10.00	Lab:precision 10.3%, Bias - 13.6%, Expanded Uncertainty 34.2%. Sampling

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
								Immeasurable
SW 23	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW 23	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW 23	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW 23	Sulphate	>300 mg/l	Quarterly	66.6	mg/l	TM184	16/11/2017 at 10.00	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW 23	Chloride	>300 mg/l	Quarterly	60.2	mg/l	TM184	16/11/2017 at 10.00	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW 23	Nitrite as N	>1 mg/l	Quarterly	0.0155	mg/l	TM184	16/11/2017 at 10.00	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 23	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	1.15	mg/l	TM184	16/11/2017 at 10.00	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW 23	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW 23	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/11/2017 at 10.00	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW 23	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.54	mg/l	TM187	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW 23	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 10.00	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW 23	Zinc (tot.unfilt)	>1 mg/l	Quarterly	5.96	µg/l	TM191	16/11/2017 at 10.00	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 23	Calcium (tot.unfilt)	>300 mg/l	Quarterly	71.8	mg/l	TM228	16/11/2017 at 10.00	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
SW 23	pH	6.8 ÷ 8.5	Quarterly	7.71	pH Units	TM256	16/11/2017 at 10.00	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW23	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW23	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW23	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW23	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW23	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW23	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW23	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.00	Lab: Unknown. Sampling: Immeasurable
SW 24	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	2.85	mg/l	TM022	16/11/2017 at 10.50	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW 24	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1	mg/l	TM045	16/11/2017 at 10.50	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW 24	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.288	mg/l	TM099	16/11/2017 at 10.50	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW 24	Conductivity	>2000 µS/cm	Quarterly	1.78	mS/cm	TM120	16/11/2017 at	Lab:precision 1%, Bias 2.9%,

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							10.50	Expanded Uncertainty 4.9%. Sampling Immeasurable
SW 24	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 10.50	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW 24	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.23	µg/l	TM152	16/11/2017 at 10.50	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW 24	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.50	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW 24	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW 24	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 24	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW 24	Sulphate	>300 mg/l	Quarterly	125	mg/l	TM184	16/11/2017 at 10.50	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW 24	Chloride	>300 mg/l	Quarterly	398	mg/l	TM184	16/11/2017 at 10.50	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW 24	Nitrite as N	>1 mg/l	Quarterly	0.0746	mg/l	TM184	16/11/2017 at 10.50	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW 24	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.688	mg/l	TM184	16/11/2017 at 10.50	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW 24	Nitrate as N	>1 mg/l	Quarterly	0.582	mg/l	TM184	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW 24	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.657	mg/l	TM184	16/11/2017 at 10.50	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 24	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	5.97	mg/l	TM187	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW 24	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 10.50	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW 24	Zinc (tot.unfilt)	>1 mg/l	Quarterly	4.06	µg/l	TM191	16/11/2017 at 10.50	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW 24	Calcium (tot.unfilt)	>300 mg/l	Quarterly	68.2	mg/l	TM228	16/11/2017 at 10.50	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
SW 24	pH	6.8 ÷ 8.5	Quarterly	7.7	pH Units	TM256	16/11/2017 at 10.50	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
								Sampling Immeasurable
SW24	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW24	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW24	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW24	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW24	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW24	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW24	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.50	Lab: Unknown. Sampling: Immeasurable
SW 25	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	26.9	mg/l	TM022	16/11/2017 at 10.30	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%. Sampling Immeasurable
SW 25	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	7.51	mg/l	TM045	16/11/2017 at 10.30	Lab:precision 9.6%, Bias -6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW 25	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.737	mg/l	TM099	16/11/2017 at 10.30	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW 25	Conductivity	>2000 µS/cm	Quarterly	1.03	mS/cm	TM120	16/11/2017 at 10.30	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 25	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 10.30	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW 25	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.97	µg/l	TM152	16/11/2017 at 10.30	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%. Sampling Immeasurable
SW 25	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	168	µg/l	TM172	16/11/2017 at 10.30	Lab:precision 10.3%, Bias -13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW 25	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW 25	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW 25	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 25	Sulphate	>300 mg/l	Quarterly	113	mg/l	TM184	16/11/2017 at 10.30	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW 25	Chloride	>300 mg/l	Quarterly	120	mg/l	TM184	16/11/2017 at 10.30	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW 25	Nitrite as N	>1 mg/l	Quarterly	<0.0152	mg/l	TM184	16/11/2017 at 10.30	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable
SW 25	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	2.44	mg/l	TM184	16/11/2017 at 10.30	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW 25	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW 25	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/11/2017 at 10.30	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 25	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.39	mg/l	TM187	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW 25	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 10.30	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW 25	Zinc (tot.unfilt)	>1 mg/l	Quarterly	7.01	µg/l	TM191	16/11/2017 at 10.30	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW 25	Calcium (tot.unfilt)	>300 mg/l	Quarterly	105	mg/l	TM228	16/11/2017 at 10.30	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable
SW 25	pH	6.8 ÷ 8.5	Quarterly	7.61	pH Units	TM256	16/11/2017 at 10.30	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW25	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW25	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW25	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW25	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW25	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW25	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW25	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 10.30	Lab: Unknown. Sampling: Immeasurable
SW 26	Suspended Solids,	>250 mg/l (1	Quarterly	10.2	mg/l	TM022	16/11/2017 at 11.20	Lab:precision 1%, Bias -1.2%, Expanded Uncertainty 3.1%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	Total	occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)						Sampling Immeasurable
SW 26	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.5	mg/l	TM045	16/11/2017 at 11.20	Lab:precision 9.6%, Bias - 6.2%, Expanded Uncertainty 25.5%. Sampling Immeasurable
SW 26	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.117	mg/l	TM099	16/11/2017 at 11.20	Lab:precision 2%, Bias -1.1%, Expanded Uncertainty 5%. Sampling Immeasurable
SW 26	Conductivity	>2000 µS/cm	Quarterly	0.668	mS/cm	TM120	16/11/2017 at 11.20	Lab:precision 1%, Bias 2.9%, Expanded Uncertainty 4.9%. Sampling Immeasurable
SW 26	Lead (diss.filt)	>0.25 mg/l	Quarterly	<0.2	µg/l	TM152	16/11/2017 at 11.20	Lab:precision 3.6%, Bias 3.6%, Expanded Uncertainty 10.8%. Sampling Immeasurable
SW 26	Nickel (diss.filt)	>0.1 mg/l	Quarterly	1.15	µg/l	TM152	16/11/2017 at 11.20	Lab:precision 3.4%, Bias 2.3%, Expanded Uncertainty 9%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
								Sampling Immeasurable
SW 26	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 11.20	Lab:precision 10.3%, Bias - 13.6%, Expanded Uncertainty 34.2%. Sampling Immeasurable
SW 26	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW 26	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW 26	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<100	µg/l	TM172	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW 26	Sulphate	>300 mg/l	Quarterly	64.7	mg/l	TM184	16/11/2017 at 11.20	Lab:precision 1.9%, Bias 6%, Expanded Uncertainty 9.8%. Sampling Immeasurable
SW 26	Chloride	>300 mg/l	Quarterly	57.6	mg/l	TM184	16/11/2017 at 11.20	Lab:precision 1.8%, Bias 6.9%, Expanded Uncertainty 10.5%. Sampling Immeasurable
SW 26	Nitrite as N	>1 mg/l	Quarterly	0.0152	mg/l	TM184	16/11/2017 at 11.20	Lab:precision 1.6%, Bias 1.6%, Expanded Uncertainty 4.7%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 26	Phosphate (ortho) as PO ₄	>1 mg/l	Quarterly	0.969	mg/l	TM184	16/11/2017 at 11.20	Lab:precision 1.6%, Bias 3.4%, Expanded Uncertainty 6.5%. Sampling Immeasurable
SW 26	Nitrate as N	>1 mg/l	Quarterly	<0.0677	mg/l	TM184	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW 26	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	<0.1	mg/l	TM184	16/11/2017 at 11.20	Lab:precision 1.9%, Bias 5.4%, Expanded Uncertainty 9.2%. Sampling Immeasurable
SW 26	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.68	mg/l	TM187	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW 26	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5	µg/l	TM191	16/11/2017 at 11.20	Lab:precision 5.7%, Bias - 12.1%, Expanded Uncertainty 23.5%. Sampling Immeasurable
SW 26	Zinc (tot.unfilt)	>1 mg/l	Quarterly	35.1	µg/l	TM191	16/11/2017 at 11.20	Lab:precision 5.9%, Bias - 10%, Expanded Uncertainty 21.7%. Sampling Immeasurable
SW 26	Calcium (tot.unfilt)	>300 mg/l	Quarterly	77.9	mg/l	TM228	16/11/2017 at 11.20	Lab:precision 4.2%, Bias - 4.9%, Expanded Uncertainty 13.3%. Sampling Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW 26	pH	6.8 ÷ 8.5	Quarterly	7.8	pH Units	TM256	16/11/2017 at 11.20	Lab:precision 0%, Bias 0.1%, Expanded Uncertainty 0.1%. Sampling Immeasurable
SW26	GRO >C5-C12	>2 mg/l	Quarterly	<50	µg/l	TM245	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW26	GRO >C7-C8	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW26	GRO >C5-C6	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW26	GRO >C6-C7	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW26	GRO >C8-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable
SW26	GRO >C10-C12	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Unit	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW26	GRO >C5-C10	>2 mg/l	Quarterly	<10	µg/l	TM245	16/11/2017 at 11.20	Lab: Unknown. Sampling: Immeasurable

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



Signed é

Date: December 2017

(Authorised to sign as representative of Operator)

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