Permit Number: EPR/VP3095FS Operator: Neal Soils

Facility: Neal Soils Form Number: Surfacewater1

Reporting of surface water monitoring for the period for December 2014 to February 2015

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW18	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	14.5 mg/l	TM022	16/02/2015 17:00	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW18	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.33 mg/l	TM045	16/02/2015 17:00	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW18	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.623 mg/l	TM099	16/02/2015 17:00	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW18	Conductivity	>2000 µS/cm	Quarterly	1.13 mS/cm	TM120	16/02/2015 17:00	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[(1)]	Test Method[(2)]	Sample Date and Times[(3)]	Uncertainty [(4)]
SW18	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.118 µg/l	TM152	16/02/2015 17:00	Lab: Precision 2.9%, Bias -0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW18	Nickel (diss.filt)	>0.1 mg/l	Quarterly	6.08 µg/l	TM152	16/02/2015 17:00	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW18	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	114 µg/l	TM172	16/02/2015 17:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW18	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	42.7 µg/l	TM172	16/02/2015 17:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW18	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	56.2 µg/l	TM172	16/02/2015 17:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW18	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	14.9 µg/l	TM172	16/02/2015 17:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW18	Sulphate	>300 mg/l	Quarterly	265 mg/l	TM184	16/02/2015 17:00	Lab: Precision 1.6%, Bias 1.0%, 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]
SW18	Chloride	>300 mg/l	Quarterly	114 mg/l	TM184	16/02/2015 17:00	Lab: Precision 2.2%, Bias 1.3%, Expanded Uncertainty 5.8%. Sampling: Immeasurable
SW18	Nitrite as N	>1 mg/l	Quarterly	0.0341 mg/l	TM184	16/02/2015 17:00	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW18	Nitrate as N	>1 mg/l	Quarterly	0.664 mg/l	TM184	16/02/2015 17:00	Lab: As per TON and NO_2. Sampling: Immeasurable
SW18	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.698mg/l	TM184	16/02/2015 17:00	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW18	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	5.86 mg/l	TM187	16/02/2015 17:00	Lab: Unknown. Sampling: Immeasurable
SW18	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2015 17:00	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW18	Zinc (tot.unfilt)	>1 mg/l	Quarterly	7.74 µg/l	TM191	16/02/2015 17:00	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Sampling: Immeasurable
SW18	Calcium (tot.unfilt)	>300 mg/l	Quarterly	147 mg/l	TM228	16/02/2015 17:00	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW18	pH	6.8 ï 8.5	Quarterly	8.06 pH Units	TM256	16/02/2015 17:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW18	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2015 17:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW18	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW18	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW18	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW18	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW18	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW18	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW19	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	6.5 mg/l	TM022	16/02/2015 17:15	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW19	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	16/02/2015 17:15	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW19	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0875 mg/l	TM099	16/02/2015 17:15	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW19	Conductivity	>2000 µS/cm	Quarterly	0.745 mS/cm	TM120	16/02/2015 17:15	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW19	Lead	>0.25 mg/l	Quarterly	0.067 µg/l	TM152	16/02/2015 17:15	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW19	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.5µg/l	TM152	16/02/2015 17:15	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW19	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/02/2015 17:15	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW19	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2015 17:15	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW19	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2015 17:15	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW19	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2015 17:15	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW19	Sulphate	>300 mg/l	Quarterly	125 mg/l	TM184	16/02/2015 17:15	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW19	Chloride	>300 mg/l	Quarterly	35.3 mg/l	TM184	16/02/2015 17:15	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW19	Nitrite as N	>1 mg/l	Quarterly	0.0466 mg/l	TM184	16/02/2015 17:15	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW19	Nitrate as N	>1 mg/l	Quarterly	0.515 mg/l	TM184	16/02/2015 17:15	Lab: As per TON and NO_2. Sampling: Immeasurable
SW19	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.562 mg/l	TM184	16/02/2015 17:15	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW19	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.27 mg/l	TM187	16/02/2015 17:15	Lab: Unknown. Sampling: Immeasurable
SW19	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2015 17:15	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW19	Zinc (tot.unfilt)	>1 mg/l	Quarterly	<3 µg/l	TM191	16/02/2015 17:15	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW19	Calcium (tot.unfilt)	>300 mg/l	Quarterly	119 mg/l	TM228	16/02/2015 17:15	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW19	pH	6.8 ï 8.5	Quarterly	7.57 pH Units	TM256	16/02/2015 17:15	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW19	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2015 17:15	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW19	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:15	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW19	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:15	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW19	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:15	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW19	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:15	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW19	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:15	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW19	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2015 17:15	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW20	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	53 mg/l	TM022	17/02/2015 08:30	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW20	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.42 mg/l	TM045	17/02/2015 08:30	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW20	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.741 mg/l	TM099	17/02/2015 08:30	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW20	Conductivity	>2000 µS/cm	Quarterly	1.17 mS/cm	TM120	17/02/2015 08:30	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW20	Lead	>0.25 mg/l	Quarterly	0.167 µg/l	TM152	17/02/2015 08:30	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW20	Nickel (diss.filt)	>0.1 mg/l	Quarterly	6.72 µg/l	TM152	17/02/2015 08:30	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW20	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	170 µg/l	TM172	17/02/2015 08:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW20	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	55.6 µg/l	TM172	17/02/2015 08:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW20	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	83.7 µg/l	TM172	17/02/2015 08:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW20	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	30.8 µg/l	TM172	17/02/2015 08:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW20	Sulphate	>300 mg/l	Quarterly	256 mg/l	TM184	17/02/2015 08:30	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW20	Chloride	>300 mg/l	Quarterly	140 mg/l	TM184	17/02/2015 08:30	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW20	Nitrite as N	>1 mg/l	Quarterly	0.0307mg/l	TM184	17/02/2015 08:30	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW20	Nitrate as N	>1 mg/l	Quarterly	0.724 mg/l	TM184	17/02/2015 08:30	Lab: As per TON and NO_2. Sampling: Immeasurable
SW20	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.756 mg/l	TM184	17/02/2015 08:30	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW20	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.52 mg/l	TM187	17/02/2015 08:30	Lab: Unknown. Sampling: Immeasurable
SW20	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/02/2015 08:30	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW20	Zinc (tot.unfilt)	>1 mg/l	Quarterly	53.1 µg/l	TM191	17/02/2015 08:30	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW20	Calcium (tot.unfilt)	>300 mg/l	Quarterly	172 mg/l	TM228	17/02/2015 08:30	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW20	pH	6.8 ï 8.5	Quarterly	8.32 pH Units	TM256	17/02/2015 08:30	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW20	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/02/2015 08:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW20	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 08:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW20	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 08:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW20	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 08:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW20	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 08:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW20	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 08:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW20	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 08:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW21	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	8 mg/l	TM022	17/02/2015 09:00	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW21	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.17 mg/l	TM045	17/02/2015 09:00	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW21	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.703 mg/l	TM099	17/02/2015 09:00	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW21	Conductivity	>2000 µS/cm	Quarterly	1.24 mS/cm	TM120	17/02/2015 09:00	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW21	Lead	>0.25 mg/l	Quarterly	0.062 µg/l	TM152	17/02/2015 09:00	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW21	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.41 µg/l	TM152	17/02/2015 09:00	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW21	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	161 µg/l	TM172	17/02/2015 09:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW21	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	21.4 µg/l	TM172	17/02/2015 09:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW21	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	84.6 µg/l	TM172	17/02/2015 09:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW21	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	54.9 µg/l	TM172	17/02/2015 09:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW21	Sulphate	>300 mg/l	Quarterly	155 mg/l	TM184	17/02/2015 09:00	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW21	Chloride	>300 mg/l	Quarterly	164 mg/l	TM184	17/02/2015 09:00	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW21	Nitrite as N	>1 mg/l	Quarterly	0.0158 mg/l	TM184	17/02/2015 09:00	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW21	Nitrate as N	>1 mg/l	Quarterly	0.299 mg/l	TM184	17/02/2015 09:00	Lab: As per TON and NO_2. Sampling: Immeasurable
SW21	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.315mg/l	TM184	17/02/2015 09:00	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW21	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	4.2 mg/l	TM187	17/02/2015 09:00	Lab: Unknown. Sampling: Immeasurable
SW21	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/02/2015 09:00	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW21	Zinc (tot.unfilt)	>1 mg/l	Quarterly	88.9 µg/l	TM191	17/02/2015 09:00	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. 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	155 mg/l	TM228	17/02/2015 09:00	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW21	pH	6.8 ï 8.5	Quarterly	8.2 pH Units	TM256	17/02/2015 09:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW21	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/02/2015 09:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW21	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW21	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW21	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW21	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. 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	17/02/2015 09:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW21	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW22	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	13.5 mg/l	TM022	17/02/2015 10:00	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW22	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.2 mg/l	TM045	17/02/2015 10:00	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW22	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.258 mg/l	TM099	17/02/2015 10:00	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW22	Conductivity	>2000 µS/cm	Quarterly	0.603 mS/cm	TM120	17/02/2015 10:00	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW22	Lead	>0.25 mg/l	Quarterly	0.382 µg/l	TM152	17/02/2015 10:00	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW22	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.17 µg/l	TM152	17/02/2015 10:00	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW22	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	144 µg/l	TM172	17/02/2015 10:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW22	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	19.6 µg/l	TM172	17/02/2015 10:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW22	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	78.5 µg/l	TM172	17/02/2015 10:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW22	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	45.7 µg/l	TM172	17/02/2015 10:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW22	Sulphate	>300 mg/l	Quarterly	71.3 mg/l	TM184	17/02/2015 10:00	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW22	Chloride	>300 mg/l	Quarterly	46.1 mg/l	TM184	17/02/2015 10:00	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW22	Nitrite as N	>1 mg/l	Quarterly	0.0167mg/l	TM184	17/02/2015 10:00	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW22	Nitrate as N	>1 mg/l	Quarterly	0.18 mg/l	TM184	17/02/2015 10:00	Lab: As per TON and NO_2. Sampling: Immeasurable
SW22	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.197 mg/l	TM184	17/02/2015 10:00	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW22	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.21 mg/l	TM187	17/02/2015 10:00	Lab: Unknown. Sampling: Immeasurable
SW22	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/02/2015 10:00	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW22	Zinc (tot.unfilt)	>1 mg/l	Quarterly	49.2 µg/l	TM191	17/02/2015 10:00	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW22	Calcium (tot.unfilt)	>300 mg/l	Quarterly	75.7 mg/l	TM228	17/02/2015 10:00	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW22	pH	6.8 ï 8.5	Quarterly	8.21 pH Units	TM256	17/02/2015 10:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW22	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/02/2015 10:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW22	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 10:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW22	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 10:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW22	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 10:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW22	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 10:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. 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	17/02/2015 10:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW22	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 10:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW23	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	13 mg/l	TM022	17/02/2015 09:30	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW23	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.34 mg/l	TM045	17/02/2015 09:30	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW23	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.254 mg/l	TM099	17/02/2015 09:30	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW23	Conductivity	>2000 µS/cm	Quarterly	0.42 mS/cm	TM120	17/02/2015 09:30	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW23	Lead	>0.25 mg/l	Quarterly	0.608 µg/l	TM152	17/02/2015 09:30	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW23	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.75 µg/l	TM152	17/02/2015 09:30	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW23	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	91.7 µg/l	TM172	17/02/2015 09:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW23	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/02/2015 09:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW23	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	42.1 µg/l	TM172	17/02/2015 09:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW23	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	49.6 µg/l	TM172	17/02/2015 09:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW23	Sulphate	>300 mg/l	Quarterly	23.7 mg/l	TM184	17/02/2015 09:30	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW23	Chloride	>300 mg/l	Quarterly	42.1 mg/l	TM184	17/02/2015 09:30	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW23	Nitrite as N	>1 mg/l	Quarterly	0.0173 mg/l	TM184	17/02/2015 09:30	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW23	Nitrate as N	>1 mg/l	Quarterly	0.365 mg/l	TM184	17/02/2015 09:30	Lab: As per TON and NO_2. Sampling: Immeasurable
SW23	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.383 mg/l	TM184	17/02/2015 09:30	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW23	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	1.87 mg/l	TM187	17/02/2015 09:30	Lab: Unknown. Sampling: Immeasurable
SW23	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/02/2015 09:30	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW23	Zinc (tot.unfilt)	>1 mg/l	Quarterly	14.6 µg/l	TM191	17/02/2015 09:30	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW23	Calcium (tot.unfilt)	>300 mg/l	Quarterly	45.8 mg/l	TM228	17/02/2015 09:30	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW23	pH	6.8 ï 8.5	Quarterly	7.6 pH Units	TM256	17/02/2015 09:30	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW23	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/02/2015 09:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW23	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW23	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW23	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW23	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. 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	17/02/2015 09:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW23	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 09:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW24	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	10 mg/l	TM022	17/02/2015 15:30	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW24	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	17/02/2015 15:30	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW24	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0793 mg/l	TM099	17/02/2015 15:30	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW24	Conductivity	>2000 µS/cm	Quarterly	1.26 mS/cm	TM120	17/02/2015 15:30	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW24	Lead	>0.25 mg/l	Quarterly	0.17 µg/l	TM152	17/02/2015 15:30	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW24	Nickel (diss.filt)	>0.1 mg/l	Quarterly	5.96 µg/l	TM152	17/02/2015 15:30	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW24	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	86.2 µg/l	TM172	17/02/2015 15:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW24	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	20 µg/l	TM172	17/02/2015 15:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW24	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	55.2 µg/l	TM172	17/02/2015 15:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW24	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	11 µg/l	TM172	17/02/2015 15:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW24	Sulphate	>300 mg/l	Quarterly	416 mg/l	TM184	17/02/2015 15:30	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW24	Chloride	>300 mg/l	Quarterly	349 mg/l	TM184	17/02/2015 15:30	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW24	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	17/02/2015 15:30	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW24	Nitrate as N	>1 mg/l	Quarterly	1.03 mg/l	TM184	17/02/2015 15:30	Lab: As per TON and NO_2. Sampling: Immeasurable
SW24	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	1.04 mg/l	TM184	17/02/2015 15:30	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW24	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	5.16 mg/l	TM046	17/02/2015 15:30	Lab: Unknown. Sampling: Immeasurable
SW24	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/02/2015 15:30	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW24	Zinc (tot.unfilt)	>1 mg/l	Quarterly	34.7 µg/l	TM191	17/02/2015 15:30	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW24	Calcium (tot.unfilt)	>300 mg/l	Quarterly	194 mg/l	TM228	17/02/2015 15:30	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW24	pH	6.8 ï 8.5	Quarterly	8.24 pH Units	TM256	17/02/2015 15:30	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW24	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/02/2015 15:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW24	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW24	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW24	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW24	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW24	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW24	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW25	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	8.5 mg/l	TM022	17/02/2015 15:00	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW25	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.8 mg/l	TM045	17/02/2015 15:00	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW25	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.285 mg/l	TM099	17/02/2015 15:00	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW25	Conductivity	>2000 µS/cm	Quarterly	0.735 mS/cm	TM120	17/02/2015 15:00	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW25	Lead	>0.25 mg/l	Quarterly	0.299 µg/l	TM152	17/02/2015 15:00	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW25	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.18 µg/l	TM152	17/02/2015 15:00	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW25	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	152 µg/l	TM172	17/02/2015 15:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW25	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	25.7 µg/l	TM172	17/02/2015 15:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW25	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	76.4 µg/l	TM172	17/02/2015 15:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW25	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	50 µg/l	TM172	17/02/2015 15:00	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW25	Sulphate	>300 mg/l	Quarterly	110 mg/l	TM184	17/02/2015 15:00	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW25	Chloride	>300 mg/l	Quarterly	82.7 mg/l	TM184	17/02/2015 15:00	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW25	Nitrite as N	>1 mg/l	Quarterly	0.0919 mg/l	TM184	17/02/2015 15:00	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW25	Nitrate as N	>1 mg/l	Quarterly	0.355 mg/l	TM184	17/02/2015 15:00	Lab: As per TON and NO_2. Sampling: Immeasurable
SW25	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.447 mg/l	TM184	17/02/2015 15:00	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW25	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.91 mg/l	TM187	17/02/2015 15:00	Lab: Unknown. Sampling: Immeasurable
SW25	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/02/2015 15:00	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW25	Zinc (tot.unfilt)	>1 mg/l	Quarterly	9.75 µg/l	TM191	17/02/2015 15:00	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW25	Calcium (tot.unfilt)	>300 mg/l	Quarterly	93.3 mg/l	TM228	17/02/2015 15:00	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW25	pH	6.8 ï 8.5	Quarterly	7.64 pH Units	TM256	17/02/2015 15:00	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW25	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/02/2015 15:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW25	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW25	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW25	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW25	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW25	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW25	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 15:00	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW26	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	17/02/2015 14:30	Lab: Precision 1.5%, Bias -3.4%, Expanded Uncertainty 6.4%. Sampling: Immeasurable
SW26	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.27 mg/l	TM045	17/02/2015 14:30	Lab: Precision 9.3%, Bias -2.5%, Expanded Uncertainty 21.0%. Sampling: Immeasurable
SW26	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.216 mg/l	TM099	17/02/2015 14:30	Lab: Precision 2.2%, Bias -0.7%, Expanded Uncertainty 5.2%. Sampling: Immeasurable
SW26	Conductivity	>2000 µS/cm	Quarterly	0.344 mS/cm	TM120	17/02/2015 14:30	Lab: Precision 1.3%, Bias 2.8%, Expanded Uncertainty 5.5%. Sampling: Immeasurable
SW26	Lead	>0.25 mg/l	Quarterly	0.976 µg/l	TM152	17/02/2015 14:30	Lab: Precision 2.9%, Bias

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
	(diss.filt)						-0.2%, Expanded Uncertainty 6.1%. Sampling: Immeasurable
SW26	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.5 µg/l	TM152	17/02/2015 14:30	Lab: Precision 4.2%, Bias -0.1%, Expanded Uncertainty 8.6%. Sampling: Immeasurable
SW26	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	122 µg/l	TM172	17/02/2015 14:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW26	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	17/02/2015 14:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW26	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	58.9 µg/l	TM172	17/02/2015 14:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW26	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	63.1 µg/l	TM172	17/02/2015 14:30	Lab: Precision 11.1%, Bias -17.7%, Expanded Uncertainty 40.0%. Sampling: Immeasurable
SW26	Sulphate	>300 mg/l	Quarterly	19.6 mg/l	TM184	17/02/2015 14:30	Lab: Precision 1.6%, Bias 1.0%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW26	Chloride	>300 mg/l	Quarterly	38.4 mg/l	TM184	17/02/2015 14:30	Lab: Precision 2.2%, Bias 1.3%, Expanded

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
							Uncertainty 5.8%. Sampling: Immeasurable
SW26	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	17/02/2015 14:30	Lab: Precision 1.8%, Bias 0.5%, Expanded Uncertainty 4.2%. Sampling: Immeasurable
SW26	Nitrate as N	>1 mg/l	Quarterly	0.233 mg/l	TM184	17/02/2015 14:30	Lab: As per TON and NO_2. Sampling: Immeasurable
SW26	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.244 mg/l	TM184	17/02/2015 14:30	Lab: Precision 3.2%, Bias 2.9%, Expanded Uncertainty 9.2%. Sampling: Immeasurable
SW26	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.92 mg/l	TM187	17/02/2015 14:30	Lab: Unknown. Sampling: Immeasurable
SW26	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	17/02/2015 14:30	Lab: Precision 4.8%, Bias -1.1%, Expanded Uncertainty 10.7%. Sampling: Immeasurable
SW26	Zinc (tot.unfilt)	>1 mg/l	Quarterly	12.5 µg/l	TM191	17/02/2015 14:30	Lab: Precision 5.3%, Bias 2.0%, Expanded Uncertainty 12.6%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW26	Calcium (tot.unfilt)	>300 mg/l	Quarterly	29.7 mg/l	TM228	17/02/2015 14:30	Lab: Precision 5.5%, Bias -2.1%, Expanded Uncertainty 13.0%. Sampling: Immeasurable
SW26	pH	6.8 ï 8.5	Quarterly	7.88 pH Units	TM256	17/02/2015 14:30	Lab: Precision 0.4%, Bias 0.9%, Expanded Uncertainty 1.8%. Sampling: Immeasurable
SW26	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	17/02/2015 14:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW26	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 14:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW26	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 14:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW26	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 14:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW26	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 14:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result[1]	Test Method[2]	Sample Date and Times[3]	Uncertainty [4]
SW26	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 14:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. Sampling: Immeasurable
SW26	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	17/02/2015 14:30	Lab: Precision 9.3%, Bias 1.2%, Expanded Uncertainty 19.7%. 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.



Signedé é
(Authorised to sign as representative of Operator)

Date March 2015

Ahlim Hashm on behalf of Neal Soils Suppliers Ltd

Permit Number EPR/VP3095FS