

Permit Number: EPR/VP3095FS

Operator: Neal Soils

Facility: Neal Soils

Form Number: Surfacewater1

Reporting of surface water monitoring for the period for December 2015 to February 2016

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	59 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable
SW18	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	3.44 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW18	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.572 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW18	Conductivity	>2000 µS/cm	Quarterly	1.08 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. 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	12.3 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW18	Nickel (diss.filt)	>0.1 mg/l	Quarterly	5.83 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable
SW18	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW18	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW18	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	11.3 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW18	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	17.1 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW18	Sulphate	>300 mg/l	Quarterly	240 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW18	Chloride	>300 mg/l	Quarterly	99.5 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW18	Nitrite as N	>1 mg/l	Quarterly	0.0268 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable
SW18	Nitrate as N	>1 mg/l	Quarterly	1.25 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW18	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	1.28 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable
SW18	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.67 mg/l	TM187	16/02/2016	Lab: Unknown. Sampling: Immeasurable
SW18	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW18	Zinc (tot.unfilt)	>1 mg/l	Quarterly	29.4 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW18	Calcium (tot.unfilt)	>300 mg/l	Quarterly	131 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW18	pH	6.8 . 8.5	Quarterly	7.58 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW18	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW18	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW18	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW18	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW18	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW18	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW18	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	4 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable
SW19	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW19	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0945 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW19	Conductivity	>2000 µS/cm	Quarterly	0.938 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. Sampling: Immeasurable
SW19	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.41 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW19	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.03 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW19	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	10.1 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW19	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	24.6 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW19	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	11.2 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW19	Sulphate	>300 mg/l	Quarterly	226 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW19	Chloride	>300 mg/l	Quarterly	75.6 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable
SW19	Nitrite as N	>1 mg/l	Quarterly	0.0502 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	Nitrate as N	>1 mg/l	Quarterly	0.09 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW19	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.14 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable
SW19	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.56 mg/l	TM187	16/02/2016	Lab: Unknown. Sampling: Immeasurable
SW19	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW19	Zinc (tot.unfilt)	>1 mg/l	Quarterly	4.28 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW19	Calcium (tot.unfilt)	>300 mg/l	Quarterly	126 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	pH	6.8 . 8.5	Quarterly	7.88 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW19	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW19	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW19	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW19	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW19	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW19	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW19	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW20	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	29 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable
SW20	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW20	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.253 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW20	Conductivity	>2000 µS/cm	Quarterly	0.912 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. Sampling: Immeasurable
SW20	Lead (diss.filt)	>0.25 mg/l	Quarterly	2.22 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW20	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.93 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW20	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	60.1 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW20	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	20.2 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW20	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	27.4 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW20	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	12.5 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW20	Sulphate	>300 mg/l	Quarterly	188 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW20	Chloride	>300 mg/l	Quarterly	98.7 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable
SW20	Nitrite as N	>1 mg/l	Quarterly	0.0274 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable
SW20	Nitrate as N	>1 mg/l	Quarterly	1.03 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW20	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	1.06 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable
SW20	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	4.62 mg/l	TM187	16/02/2016	Lab: Unknown. Sampling: Immeasurable
SW20	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW20	Zinc (tot.unfilt)	>1 mg/l	Quarterly	15.1 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW20	Calcium (tot.unfilt)	>300 mg/l	Quarterly	110 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable
SW20	pH	6.8 . 8.5	Quarterly	7.92 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW20	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW20	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW20	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW20	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW20	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW20	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW20	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW21	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	4 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW21	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.03 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW21	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.619 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW21	Conductivity	>2000 µS/cm	Quarterly	0.897 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. Sampling: Immeasurable
SW21	Lead (diss.filt)	>0.25 mg/l	Quarterly	1.11 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW21	Nickel (diss.filt)	>0.1 mg/l	Quarterly	5.22 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable
SW21	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW21	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW21	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW21	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW21	Sulphate	>300 mg/l	Quarterly	201 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW21	Chloride	>300 mg/l	Quarterly	88.7 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable
SW21	Nitrite as N	>1 mg/l	Quarterly	0.0228 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable
SW21	Nitrate as N	>1 mg/l	Quarterly	0.79 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW21	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.813 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW21	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	4.06 mg/l	TM187	16/02/2016	Lab: Unknown. Sampling: Immeasurable
SW21	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW21	Zinc (tot.unfilt)	>1 mg/l	Quarterly	7.44 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW21	Calcium (tot.unfilt)	>300 mg/l	Quarterly	111 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable
SW21	pH	6.8 . 8.5	Quarterly	7.6 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW21	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW21	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							Sampling: Immeasurable
SW21	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW21	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW21	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW21	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW21	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW22	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	5.5 mg/l	TM022	15/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable
SW22	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.92 mg/l	TM045	15/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW22	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0685 mg/l	TM099	15/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW22	Conductivity	>2000 µS/cm	Quarterly	0.544 mS/cm	TM120	15/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. Sampling: Immeasurable
SW22	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.426 µg/l	TM152	15/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW22	Nickel (diss.filt)	>0.1 mg/l	Quarterly	2.56 µg/l	TM152	15/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable
SW22	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	161 µg/l	TM172	15/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW22	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	44 µg/l	TM172	15/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW22	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	74 µg/l	TM172	15/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW22	EPH Range >C30-C40	>2 mg/l	Quarterly	42.9 µg/l	TM172	15/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	(aq)						Sampling: Immeasurable
SW22	Sulphate	>300 mg/l	Quarterly	95.3 mg/l	TM184	15/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW22	Chloride	>300 mg/l	Quarterly	50.2 mg/l	TM184	15/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable
SW22	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	15/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable
SW22	Nitrate as N	>1 mg/l	Quarterly	0.0947 mg/l	TM184	15/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW22	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.103 mg/l	TM184	15/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable
SW22	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	8.79 mg/l	TM187	15/02/2016	Lab: Unknown. Sampling: Immeasurable
SW22	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	15/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW22	Zinc (tot.unfilt)	>1 mg/l	Quarterly	<3 µg/l	TM191	15/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW22	Calcium (tot.unfilt)	>300 mg/l	Quarterly	77.2 mg/l	TM228	15/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable
SW22	pH	6.8 . 8.5	Quarterly	7.81 pH Units	TM256	15/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW22	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	15/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW22	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	15/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW22	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	15/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW22	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	15/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW22	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	15/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. 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	15/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW22	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	15/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW23	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	11 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable
SW23	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.84 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW23	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.239 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW23	Conductivity	>2000 µS/cm	Quarterly	0.697 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. Sampling: Immeasurable
SW23	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.114 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW23	Nickel (diss.filt)	>0.1 mg/l	Quarterly	3.57 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable
SW23	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW23	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW23	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW23	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW23	Sulphate	>300 mg/l	Quarterly	108 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW23	Chloride	>300 mg/l	Quarterly	59.4 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable
SW23	Nitrite as N	>1 mg/l	Quarterly	0.0155 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW23	Nitrate as N	>1 mg/l	Quarterly	0.0942 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW23	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.11 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable
SW23	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	3.71 mg/l	TM187	16/02/2016	Lab: Unknown. Sampling: Immeasurable
SW23	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW23	Zinc (tot.unfilt)	>1 mg/l	Quarterly	17.6 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW23	Calcium (tot.unfilt)	>300 mg/l	Quarterly	85.2 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable
SW23	pH	6.8 . 8.5	Quarterly	7.45 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW23	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW23	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW23	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW23	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW23	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW23	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW23	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW24	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions)	Quarterly	5 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		>60 mg/l (4 consecutive occasions)					
SW24	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	<1 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW24	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.0699 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW24	Conductivity	>2000 µS/cm	Quarterly	1.7 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. Sampling: Immeasurable
SW24	Lead (diss.filt)	>0.25 mg/l	Quarterly	1.32 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW24	Nickel (diss.filt)	>0.1 mg/l	Quarterly	6.33 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable
SW24	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	<46 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW24	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW24	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW24	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW24	Sulphate	>300 mg/l	Quarterly	545 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW24	Chloride	>300 mg/l	Quarterly	130 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable
SW24	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable
SW24	Nitrate as N	>1 mg/l	Quarterly	1.83 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW24	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	1.84 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable
SW24	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive	Quarterly	5.9 mg/l	TM046	16/02/2016	Lab: Unknown. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
		occasions)					
SW24	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW24	Zinc (tot.unfilt)	>1 mg/l	Quarterly	5.05 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW24	Calcium (tot.unfilt)	>300 mg/l	Quarterly	256 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable
SW24	pH	6.8 . 8.5	Quarterly	7.9 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW24	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW24	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW24	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW24	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							Sampling: Immeasurable
SW24	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW24	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW24	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW25	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	502 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable
SW25	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	10.5 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW25	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.65 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW25	Conductivity	>2000 µS/cm	Quarterly	0.725 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							Sampling: Immeasurable
SW25	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.492 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW25	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.19 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable
SW25	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	2,390 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW25	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	244 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW25	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	1,040 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW25	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	1,110 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW25	Sulphate	>300 mg/l	Quarterly	120 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW25	Chloride	>300 mg/l	Quarterly	70.1 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%.

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							Sampling: Immeasurable
SW25	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable
SW25	Nitrate as N	>1 mg/l	Quarterly	0.388 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW25	Total Oxidised Nitrogen as N	>2 mg/l	Quarterly	0.397 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable
SW25	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	<0.3 mg/l	TM187	16/02/2016	Lab: Unknown. Sampling: Immeasurable
SW25	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	3.93 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW25	Zinc (tot.unfilt)	>1 mg/l	Quarterly	847 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW25	Calcium (tot.unfilt)	>300 mg/l	Quarterly	226 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW25	pH	6.8 . 8.5	Quarterly	7.61 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW25	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW25	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW25	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW25	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW25	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW25	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW25	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW26	Suspended Solids, Total	>250 mg/l (1 occasion) >100 mg/l (3 consecutive occasions) >60 mg/l (4 consecutive occasions)	Quarterly	11 mg/l	TM022	16/02/2016	Lab: Precision 1.44%, Bias -3.27%, Expanded Uncertainty 6.15%. Sampling: Immeasurable
SW26	BOD, unfiltered	>18 mg/l (1 occasion) >10 mg/l (3 consecutive occasions)	Quarterly	2.45 mg/l	TM045	16/02/2016	Lab: Precision 8.75%, Bias 1.70%, Expanded Uncertainty 19.21%. Sampling: Immeasurable
SW26	Ammoniacal Nitrogen as N	>1 mg/l (1 occasion) >0.5 mg/l (4 consecutive occasions)	Quarterly	0.211 mg/l	TM099	16/02/2016	Lab: Precision 1.91%, Bias 1.44%, Expanded Uncertainty 5.26%. Sampling: Immeasurable
SW26	Conductivity	>2000 µS/cm	Quarterly	0.561 mS/cm	TM120	16/02/2016	Lab: Precision 1.40%, Bias 2.54%, Expanded Uncertainty 5.34%. Sampling: Immeasurable
SW26	Lead (diss.filt)	>0.25 mg/l	Quarterly	0.255 µg/l	TM152	16/02/2016	Lab: Precision 2.50%, Bias -1.36%, Expanded Uncertainty 6.36%. Sampling: Immeasurable
SW26	Nickel (diss.filt)	>0.1 mg/l	Quarterly	4.21 µg/l	TM152	16/02/2016	Lab: Precision 4.02%, Bias 0.59%, Expanded Uncertainty 8.64%. Sampling: Immeasurable
SW26	EPH Range >C10-C40 (aq)	>2 mg/l	Quarterly	46.3 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
SW26	EPH Range >C10-C20 (aq)	>2 mg/l	Quarterly	<10 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW26	EPH Range >C20-C30 (aq)	>2 mg/l	Quarterly	24.5 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW26	EPH Range >C30-C40 (aq)	>2 mg/l	Quarterly	18.4 µg/l	TM172	16/02/2016	Lab: Precision 9.54%, Bias -13.34%, Expanded Uncertainty 32.42%. Sampling: Immeasurable
SW26	Sulphate	>300 mg/l	Quarterly	68.8 mg/l	TM184	16/02/2016	Lab: Precision 2.16%, Bias 5.24%, Expanded Uncertainty 9.56%. Sampling: Immeasurable
SW26	Chloride	>300 mg/l	Quarterly	58.4 mg/l	TM184	16/02/2016	Lab: Precision 2.41%, Bias 4.14%, Expanded Uncertainty 8.96%. Sampling: Immeasurable
SW26	Nitrite as N	>1 mg/l	Quarterly	<0.0152 mg/l	TM184	16/02/2016	Lab: Precision 2.10%, Bias -0.32%, Expanded Uncertainty 4.52%. Sampling: Immeasurable
SW26	Nitrate as N	>1 mg/l	Quarterly	0.131 mg/l	TM184	16/02/2016	Lab: As per TON and NO ₂ . Sampling: Immeasurable
SW26	Total Oxidised Nitrogen as	>2 mg/l	Quarterly	0.145 mg/l	TM184	16/02/2016	Lab: Precision 4.22%, Bias 5.00%, Expanded Uncertainty 13.43%. Sampling: Immeasurable

Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
	N						
SW26	Oxygen, dissolved	<2 mg/l (1 occasion) <5 mg/l (3 consecutive occasions)	Quarterly	2.64 mg/l	TM187	16/02/2016	Lab: Unknown. Sampling: Immeasurable
SW26	Cadmium (tot.unfilt)	>0.005 mg/l	Quarterly	<0.5 µg/l	TM191	16/02/2016	Lab: Precision 4.54%, Bias -0.30%, Expanded Uncertainty 9.38%. Sampling: Immeasurable
SW26	Zinc (tot.unfilt)	>1 mg/l	Quarterly	10.9 µg/l	TM191	16/02/2016	Lab: Precision 4.36%, Bias -1.74%, Expanded Uncertainty 10.46%. Sampling: Immeasurable
SW26	Calcium (tot.unfilt)	>300 mg/l	Quarterly	70.5 mg/l	TM228	16/02/2016	Lab: Precision 5.21%, Bias -1.60%, Expanded Uncertainty 12.03%. Sampling: Immeasurable
SW26	pH	6.8 . 8.5	Quarterly	8.01 pH Units	TM256	16/02/2016	Lab: Precision 0.39%, Bias 0.89%, Expanded Uncertainty 1.66%. Sampling: Immeasurable
SW26	GRO >C5-C12	>2 mg/l	Quarterly	<50 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW26	GRO >C7-C8	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW26	GRO >C5-C6	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded

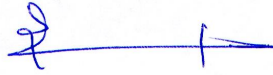
Monitoring Point	Substance / Parameter	Trigger level	Reference Period	Result ⁽¹⁾	Test Method ⁽²⁾	Sample Date and Times ⁽³⁾	Uncertainty ⁽⁴⁾
							Uncertainty 20.98%. Sampling: Immeasurable
SW26	GRO >C6-C7	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW26	GRO >C8-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW26	GRO >C10-C12	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. Sampling: Immeasurable
SW26	GRO >C5-C10	>2 mg/l	Quarterly	<10 µg/l	TM245	16/02/2016	Lab: Precision 7.75%, Bias -5.49%, Expanded Uncertainty 20.98%. 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 o o o o o o o o o o o o o o o o o o
(Authorised to sign as representative of Operator)

Date February 2016

Ahlim Hashm on behalf of Neal Soils Suppliers Ltd

Permit Number EPR/VP3095FS