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Picture View

Measurement	Value	Unit
Influent Measurements		
Flow	0.0	
Alkalinity	300.0	mgCaCO3/L
BOD - Total Carbonaceous	245.2	mgBOD/L
BOD - Filtered Carbonaceous	102.5	mgBOD/L
COD - Total	500.0	mgCOD/L
COD - Filtered	184.8	mgCOD/L
COD - FF	105.0	mgCOD/L
CODs - Acetate	12.0	mgCOD/L
Gas - Dissolved oxygen	0.0	mgO2/L
Metal soluble - Calcium	80.0	mg/L
Metal soluble - Magnesium	15.0	mg/L
N - Total Kjeldahl Nitrogen	40.0	mgN/L
N - Ammonia	26.4	mgN/L
N - Nitrate	0.0	mgN/L
pH	7.3	
P - Total	6.5	mgP/L
P - Soluble phosphate	3.25	mgP/L
TSS	242.7	mgTSS/L
VSS	197.7	mgVSS/L
S - Total S	10.0	mgS/L
S - Soluble Sulfate	8.5	mgS/L
Effluent Measurements		
COD - Filtered	25.0	mgCOD/L



Input Measurements



Adjust Fractions



View Results



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Fraction / Parameter Estimates

Name	Default	Estimate
COD Fractions		
Fbs	0.1600	0.1600
Fac	0.1500	0.1500
Fxs	0.6388	0.6388
Fxsp	0.7500	0.7500
Fbiomass	0.0212	0.0212
Fus	0.0500	0.0500
Fup	0.1300	0.1300
Cellulose (Note...)	0.5000	0.5000
Non-Cellulose	0.5000	0.5000
COD : VSS		
Particulate Biodegradable COD : VSS	1.6327	1.6327
Particulate Inert COD : VSS	1.6000	1.6000
Cellulose COD : VSS	1.4000	1.4000
BOD Model Parameters (Note...)		
k1 for CODc - Xsc	0.5000	0.5000
k2 for CODp - Xsp	0.5000	0.5000

Fraction Calculation Results

Influent Values	Measured	Calculated	Match Status
COD - Total	500.0000	500.0000	-
COD - Particulate	315.1500	315.1500	Excellent
COD - Filtered	184.8500	184.8500	Excellent
COD - FF	105.0000	105.0000	Excellent
BOD - Total Carbonaceous	245.2051	245.2051	Excellent
BOD - Filtered Carbonaceous	102.4611	102.4611	Excellent
VSS	197.7117	197.7117	Excellent
TSS	242.7117	242.7117	Excellent
Influent CODp : VSS	1.5940	1.5940	Excellent
Influent Total COD : cBOD	2.0391	2.0391	Excellent
VSS : TSS	0.8146	0.8146	Excellent