

Rev 1.0

Analyst: *mu S*

Reactor ID: DRB200

Vial Set ID: _____

Spk TV: 2.26

NO

Comments:

Date: _____

TSSD Laboratory
Ammonia, NH₃-N
HACH 10205
 Rev 1.0

Analysis Date: AUG 28 2017

Tech: mus

Sample ID# 170028

Spectrophotometer ID: DR3600

1000mg/L HR Stock Std ID: 1462

HR Vial ID: C588-9

100 mg/L LR Std ID: _____

LR Vial ID: R600-3

10.0 mg/L Std ID: 1466

4mg/L HR Spk ID: _____

0.4mg/L LR Spk ID: _____

Sample ID	LR NH ₃ mg/L (0.015-2.00 range)	HR NH ₃ mg/L (2.00-47.0 range)
Blank		<u>-0.079</u>
HR Std 10		<u>10.2</u>
LR Std 1.0		
INF Grab		<u>34.4</u>
INF Grab Spk		<u>24.0</u>
INF Grab Spk/Dup		<u>22.9</u>
EFF Grab	<u>0.084</u>	
EFF Grab Spk		
EFF Grab Spk/Dup		
W#1 bioreactor		
W#2 bioreactor	<u>0.052</u>	
W#3 bioreactor	<u>0.060</u>	
W#4 bioreactor	<u>0.046</u>	
E#1 bioreactor		
E#2 bioreactor	<u>0.100</u>	
E#3 bioreactor		
E#4 bioreactor	<u>0.097</u>	
Total NH ₃ -N Effluent Comp.		

HR Spk TV: 22.25

LR Spk TV: _____

Preserved Samples:

Raw Inf pH: _____

Final Eff pH: _____

NaOH ID: _____

Comments: _____

QC Data Review:

Acceptable Std Range: ± 15%

Reviewed By: _____

Acceptable Dup Range: ± 10%

Date: _____

TSSD Laboratory
TSS / VSS
Method 2540 D & E

	Effluent	Eff Dup	Influent
Dry Filter + Solids gm. #1	0.1086	0.1076	0.4088
Dry Filter + Solids gm. #2	0.1086	0.1076	0.4089
Dry Filter + Solids gm. #3			
Filter (Tare) gm.	0.1067	0.1057	0.3837
Wt. of Solids (Net) gm.			
Sample Vol. mL	250	250	100
TSS mg/L	7.6	7.6	252
Ignited Filter Wt. gm.			0.3890
Residue Wt. gm.			
VSS %			79.0

Oven 104 °C Time In 1003

Time Out 1128

* Time Out 1158

* Time Out

Furnace 550 °C Time In 1205

Time Out 1242

Date AUG 28 2017

Sample ID No. 170828

Tech ML25

* Repeat the drying cycle until a constant weight is obtained (weight loss <0.0005 g)

INTERCEPTORS						
Filter + Solids (Gross) gm.						
Filter (Tare) gm.						
Wt. of Solids (Net) gm.						
Sample Vol. mL						
TSS mg/L						
Ignited Filter Wt. gm.						
Residue Wt. gm.						
VSS %						

BIOREACTORS		W2	W3	W4	E2	E4
Dry Filter + Solids gm. #1		0.4648	0.4667	0.4712	0.4866	0.4676
Dry Filter + Solids gm. #2		0.4650	0.4670	0.4712	0.4866	0.4677
Dry Filter + Solids gm. #3						
Filter (Tare) gm.		0.3866	0.3856	0.3901	0.3916	0.3869
Wt. of Solids (Net) gm.						
Sample Vol. mL		20.0	20.0	20.0	20.0	20.0
TSS mg/L		3920	4070	4055	4750	4040
Ignited Filter Wt. gm.		0.4025	0.4019	0.4066	0.4115	0.4036
Residue Wt. gm.						
VSS %		79.7	80.0	79.7	79.1	79.3

Reviewed By: _____