

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: apatel

Analysis Date: 10/22/2021

QC BATCH ID: LB116983

BOD Water: WP93579

Starch: W2703

Sulfuric acid, 1N: WP91648

POLYSEED: WP93581

GGA: WP93580

Chlorine Strips: W2544

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: W2843

NaOH, 1N: WP91991

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP92838

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.9	8.9	8.95
WINKLER 2	WINKLER 2	2	300	8.9	17.9	9	8.95

Meter Calibration1: 8.54

Barometric Pressure1: 755 mmHg

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.97

After Incubation

Meter Calibration2: 9.03

Barometric Pressure2: 755 mmHg

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.85



QC BATCH ID: LB116983

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 15:30

TIME OUT: 12:00

DATE IN: 10/22/2021

DATE OUT: 10/27/2021

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB116983BL	1	No	6.4	N/A	20.60	300	8.94	8.87	0.07	0.07	0.07	
POLYSEED	1					10	8.90	4.70	4.2	0.84	0.78	
POLYSEED	2					15	8.90	3.27	5.63	0.75		
POLYSEED	3					20	8.86	1.48	7.38	0.74		
GGA	1					6	8.89	3.55	5.34	228	208.83	
GGA	2					6	8.86	3.98	4.88	205		
GGA	3					6	8.90	4.25	4.65	193.5		
M4331-01	1	No	8.11	7.20	20.10	0.5	8.87	6.82	2.05	762	543.98	pH Adjusted
M4331-01	2					1	8.86	5.95	2.91	639		
M4331-01	3					2	8.85	5.18	3.67	433.5		
M4331-01	4					5	8.84	2.37	6.47	341.4		
M4331-01	5					10	8.83	0.30	-	0		
M4331-01DUP	1	No	8.11	7.20	20.10	0.5	8.88	6.75	2.13	810	552.3	pH Adjusted
M4331-01DUP	2					1	8.85	5.97	2.88	630		
M4331-01DUP	3					2	8.84	5.20	3.64	429		
M4331-01DUP	4					5	8.83	2.38	6.45	340.2		
M4331-01DUP	5					10	8.82	0.35	-	0		
M4331-05	1	No	4.47	7.20	20.20	0.01	8.86	6.98	-	0	14385	pH Adjusted
M4331-05	2					0.05	8.85	5.49	3.36	15480		
M4331-05	3					0.1	8.84	3.63	5.21	13290		
M4331-05	4					0.5	8.83	0.27	-	0		
M4331-05	5					1	8.82	0.23	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

LB116983

WorkList Name : bod102221

WorkList ID : 153564

Department : Wet-Chemistry

Date : 10-22-2021 14:22:49

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/24/2021	Water	M4331-01	BOD5	Cool 4 deg C	HOLL01	D11	EFFLUENT	10/22/2021	SM5210 B
10/24/2021	Water	M4331-05	BOD5	Cool 4 deg C	HOLL01	D11	INFLUENT	10/22/2021	SM5210 B

Date/Time 10/22/21 14:25
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: Re CO'g (ob)

Date/Time 10/22/21 15:25
 Raw Sample Received by: Re CO'g (ob)
 Raw Sample Relinquished by: KS (WC)