

**BOD5 LOG****ANALYST:** ketankumar**SUPERVISOR:** apatel**Analysis Date:** 10/29/2021**QC BATCH ID:** LB117098**BOD Water:** WP93671**Starch:** W2703**Sulfuric acid, 1N:** WP88863**POLYSEED:** WP93673**GGA:** WP93672**Chlorine Strips:** W2543**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:** WP93366

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: 8.98

Barometric Pressure1: 755 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.90

After Incubation

Meter Calibration2: 8.84

Barometric Pressure2: 760 mmHg

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.80



QC BATCH ID: LB117098

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 10:30

TIME OUT: 11:30

DATE IN: 10/29/2021

DATE OUT: 11/03/2021

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
LB117098BL	1	No	6.0	N/A	21.20	300	8.92	8.78	0.14	0.14	0.14	
POLYSEED	1					10	8.88	4.30	4.58	0.92	0.8	
POLYSEED	2					15	8.86	3.55	5.31	0.71		
POLYSEED	3					20	8.85	1.30	7.55	0.76		
GGA	1					6	8.87	3.50	5.37	228.5	206.67	
GGA	2					6	8.85	4.00	4.85	202.5		
GGA	3					6	8.83	4.25	4.58	189		
M4392-01	1	No	7.40	N/A	20.60	5	8.88	8.00	-	0		
M4392-01	2					20	8.86	7.99	-	0		
M4392-01	3					50	8.85	7.75	-	0		
M4392-01	4					150	8.83	7.51	-	0		
M4392-01DUP	1	No	7.40	N/A	20.60	5	8.87	8.02	-	0		
M4392-01DUP	2					20	8.85	7.98	-	0		
M4392-01DUP	3					50	8.83	7.78	-	0		
M4392-01DUP	4					150	8.82	7.55	-	0		

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod102821

WorkList ID : 153771

Department : Wet-Chemistry

Date : 10-28-2021 17:13:58

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/30/2021	Water	M4392-01	BOD5	Cool 4 deg C	PSEG03	K11	N41924	10/28/2021	SM5210 B

Date/Time 10/29/21 09:00
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: KS (WC)

Date/Time 10/29/21 10:35
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: KS (WC)

LB117098