

**BOD5 LOG****ANALYST:** ketankumar**SUPERVISOR:** apatel**Analysis Date:** 10/13/2021**QC BATCH ID:** LB116824**BOD Water:** WP93437**Starch:** W2703**Sulfuric acid, 1N:** WP88863**POLYSEED:** WP93439**GGA:** WP93438**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	8.8	8.8	8.85
WINKLER 2	WINKLER 2	2	300	8.8	17.7	8.9	8.85

Meter Calibration1: 8.54

Barometric Pressure1: 760 mmHg

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.70

After Incubation

Meter Calibration2: 8.78

Barometric Pressure2: 755 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.65



QC BATCH ID: LB116824

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 15:25

TIME OUT: 11:30

DATE IN: 10/13/2021

DATE OUT: 10/18/2021

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
LB116824BL	1	No	6.4	N/A	21.20	300	8.72	8.63	0.09	0.09	0.09	
POLYSEED	1					10	8.65	4.55	4.1	0.82	0.74	
POLYSEED	2					15	8.63	3.55	5.08	0.68		
POLYSEED	3					20	8.60	1.30	7.3	0.73		
GGA	1					6	8.66	3.50	5.16	221	200.5	
GGA	2					6	8.64	3.95	4.69	197.5		
GGA	3					6	8.65	4.25	4.4	183		
M4186-01	1	No	6.78	N/A	22.70	0.5	8.65	6.60	2.05	786	541.25	
M4186-01	2					1	8.63	6.48	2.15	423		
M4186-01	3					2	8.62	4.58	4.04	495		
M4186-01	4					3	8.60	3.25	5.35	461		
M4186-01DUP	1	No	6.78	N/A	22.70	0.5	8.66	6.62	2.04	780	539.38	
M4186-01DUP	2					1	8.65	6.50	2.15	423		
M4186-01DUP	3					2	8.63	4.60	4.03	493.5		
M4186-01DUP	4					3	8.61	3.26	5.35	461		

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

WORKLIST(Hardcopy Internal Chain)

LB116824

WorkList Name : BOD101321 WorkList ID : 153222 Department : Wet-Chemistry Date : 10-13-2021 14:50:11

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/15/2021	Water	M4186-01	A BOD5	Cool 4 deg C	ARAM01	D11	COMP	10/13/2021	SM5210 B

Date/Time 10/13/21 14:55
 Raw Sample Received by: KS (wc)
 Raw Sample Relinquished by: JA (cedc)

Date/Time 10/13/21 15:30
 Raw Sample Received by: JA (cedc)
 Raw Sample Relinquished by: KS (wc)