

**BOD5 LOG****ANALYST:** ketankumar**SUPERVISOR:** apatel**Analysis Date:** 09/30/2021**QC BATCH ID:** LB116591**BOD Water:** WP93155**Starch:** W2703**Sulfuric acid, 1N:** WP91648**POLYSEED:** WP93157**GGA:** WP93156**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: 8.72

Barometric Pressure1: 760 mmHg

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

Winkler titrated BOD fluid DO reading1: 9.04

After Incubation

Meter Calibration2: 8.72

Barometric Pressure2: 765 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.87



QC BATCH ID: LB116591

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 15:10

TIME OUT: 16:00

DATE IN: 09/30/2021

DATE OUT: 10/05/2021

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
LB116591BL	1	No	6.4	N/A	19.50	300	9.05	8.90	0.15	0.15	0.15	
POLYSEED	1					10	9.03	3.95	5.08	1.02	0.89	
POLYSEED	2					15	9.02	2.52	6.5	0.87		
POLYSEED	3					20	9.01	1.36	7.65	0.77		
GGA	1					6	8.98	3.50	5.48	229.5	204.5	
GGA	2					6	8.96	3.95	5.01	206		
GGA	3					6	8.89	4.44	4.45	178		
M3980-02	1	No	6.80	N/A	20.20	0.5	9.01	5.86	3.15	1356	918.38	
M3980-02	2					1	9.00	4.54	4.46	1071		
M3980-02	3					2	8.99	3.79	5.2	646.5		
M3980-02	4					3	8.96	2.07	6.89	600		
M3980-02DUP	1	No	6.80	N/A	20.20	0.5	9.00	5.85	3.15	1356	917.88	
M3980-02DUP	2					1	8.98	4.52	4.46	1071		
M3980-02DUP	3					2	8.96	3.78	5.18	643.5		
M3980-02DUP	4					3	8.95	2.05	6.9	601		

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

WORKLIST(Hardcopy Internal Chain)

LB 116591

WorkList Name : BOD93021 WorkList ID : 152782 Department : Wet-Chemistry Date : 09-30-2021 14:04:12

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/01/2021	Water	M3980-02	BOD5	Cool 4 deg C	ARAM01	D11	COMP	09/29/2021	SM5210 B

Date/Time 09/30/21 14:10
 Raw Sample Received by: KS (wc)
 Raw Sample Relinquished by: JN (WC)

Date/Time 09/30/21 15:10
 Raw Sample Received by: JN CULC
 Raw Sample Relinquished by: KS (wc)