

**BOD5 LOG****ANALYST:** ketankumar**SUPERVISOR:** apatel**Analysis Date:** 12/29/2021**QC BATCH ID:** LB118000**BOD Water:** WP94546**MANGANOUS SULFATE SOLUTION:** W2767**Starch:** W2703**Alkaline Iodide Azide:** W2742**Sulfuric acid, 1N:** WP88863**Sodium Thiosulfate, 0.025N:** W2843**POLYSEED:** WP94548**NaOH, 1N:** WP91991**GGA:** WP94547**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2543**GuageID:** 0511064**pH Strips:** W2716**Zero DO:** WP94126

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.0	9	9.1
WINKLER 2	WINKLER 2	2	300	9.0	18.2	9.2	9.1

Meter Calibration1: 9.02

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

Barometric Pressure1: 765 mmHg

Winkler titrated BOD fluid DO reading1: 8.94

After Incubation

Meter Calibration2: 8.95

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

Barometric Pressure2: 765 mmHg

Winkler titrated BOD fluid DO reading2: 8.85



QC BATCH ID: LB118000

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 09:25

TIME OUT: 11:15

DATE IN: 12/29/2021

DATE OUT: 01/03/2022

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
LB118000BL	1	No	6.0	N/A	21.20	300	8.92	8.75	0.17	0.17	0.17	
POLYSEED	1					10	8.92	4.94	3.98	0.8	0.78	
POLYSEED	2					15	8.88	3.00	5.88	0.78		
POLYSEED	3					20	8.87	1.26	7.61	0.76		
GGA	1					6	8.85	4.58	4.27	174.5	207.5	
GGA	2					6	8.90	3.56	5.34	228		
GGA	3					6	8.89	3.71	5.18	220		
M5243-01	1	No	7.82	N/A	20.10	0.5	8.92	7.20	-	0	407.6	
M5243-01	2					1	8.90	6.66	2.24	438		
M5243-01	3					2	8.86	5.48	3.38	390		
M5243-01	4					5	8.84	1.48	7.36	394.8		
M5243-01	5					10	8.71	0.18	-	0		
M5243-01DUP	1	No	7.82	N/A	20.10	0.5	8.90	7.25	-	0	399.5	
M5243-01DUP	2					1	8.88	6.70	2.18	420		
M5243-01DUP	3					2	8.85	5.50	3.35	385.5		
M5243-01DUP	4					5	8.83	1.50	7.33	393		
M5243-01DUP	5					10	8.70	0.20	-	0		
M5243-05	1	No	4.55	7.20	20.10	0.01	8.92	6.95	-	0	19080	pH Adjusted
M5243-05	2					0.05	8.90	4.67	4.23	20700		
M5243-05	3					0.1	8.89	2.29	6.6	17460		
M5243-05	4					0.5	8.88	0.18	-	0		
M5243-05	5					1	8.86	0.17	-	0		

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

13118000

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD M5243 WorkList ID : 155590 Department : Wet-Chemistry Date : 12-29-2021 08:01:00

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
12/29/2021	Water	M5243-01	C BOD5	Cool 4 deg C	HOLL01	H11	EFFLUENT	12/27/2021	SM5210 B
12/29/2021	Water	M5243-05	P BOD5	Cool 4 deg C	HOLL01	H11	INFLUENT	12/27/2021	SM5210 B

Date/Time 12/29/21 08:10
 Raw Sample Received by: JP WCC
 Raw Sample Relinquished by: CP SVM

Date/Time 12/29/21 09:30
 Raw Sample Received by: CP SVM
 Raw Sample Relinquished by: JP WCC