

**BOD5 LOG****ANALYST:** ketankumar**SUPERVISOR:** apatel**Analysis Date:** 12/29/2021**QC BATCH ID:** LB118014**BOD Water:** WP94546**Starch:** W2703**Sulfuric acid, 1N:** WP88863**POLYSEED:** WP94548**GGA:** WP94547**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:** 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

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.94

After Incubation

Meter Calibration2: 8.95

Barometric Pressure2: 765 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.85



QC BATCH ID: LB118014

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 16:15

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
LB118014BL	1	No	6.4	N/A	21.20	300	8.92	8.75	0.17	0.17	0.17	
POLYSEED	1					10	8.92	3.98	4.94	0.99	0.7	
POLYSEED	2					15	8.88	5.88	3	0.4		
POLYSEED	3					20	8.87	7.61	-	0		
GGA	1					6	8.85	4.58	4.27	178.5	211.5	
GGA	2					6	8.90	3.56	5.34	232		
GGA	3					6	8.89	3.71	5.18	224		
M5248-02	1	No	6.95	N/A	20.50	0.5	8.90	8.03	-	0	142	
M5248-02	2					1	8.88	7.42	-	0		
M5248-02	3					2	8.87	7.30	-	0		
M5248-02	4					3	8.85	6.73	2.12	142		
M5248-02DUP	1	No	6.95	N/A	20.50	0.5	8.88	8.05	-	0	138	
M5248-02DUP	2					1	8.87	7.45	-	0		
M5248-02DUP	3					2	8.85	7.35	-	0		
M5248-02DUP	4					3	8.83	6.75	2.08	138		
M5249-01	1	No	8.38	7.20	20.70	5	8.88	8.02	-	0		pH Adjusted
M5249-01	2					20	8.86	7.85	-	0		
M5249-01	3					50	8.85	7.65	-	0		
M5249-01	4					150	8.83	7.48	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB 118014

WorkList Name : BOD122921 WorkList ID : 155619 Department : Wet-Chemistry Date : 12-29-2021 14:54:07

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
12/31/2021	Water	M5248-02	BOD5	Cool 4 deg C	ARAM01	H11	COMP	12/29/2021	SM5210 B
12/31/2021	Water	M5249-01	BOD5	Cool 4 deg C	INFR01	H11	WEEKLY-OUTFALL-002	12/29/2021	SM5210 B

Date/Time 12/29/21 15:30
 Raw Sample Received by: KS(wc)
 Raw Sample Relinquished by: Shady

Date/Time 12/29/21 16:20
 Raw Sample Received by: MP(wc)
 Raw Sample Relinquished by: KS(wc)