

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/22/2023**QC BATCH ID:** LB124199**BOD Water:** WP101116**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101118**GGA:** WP101117**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP98644**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP101031

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 9.25

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.33

After Incubation

Meter Calibration2: 8.63

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB124199

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 15:40

TIME OUT: 14:30

DATE IN: 02/22/2023

DATE OUT: 02/27/2023

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
LB124199BL	1	No	7.10	N/A	20.00	300	9.32	9.31	0.01	0.01	0.01	
POLYSEED	1					10	9.31	6.28	3.03	0.61	0.56	
POLYSEED	2					15	9.24	5.24	4	0.53		
POLYSEED	3					20	9.23	3.98	5.25	0.53		
GGA	1					6	9.32	5.27	4.05	174.5	184.67	
GGA	2					6	9.31	4.98	4.33	188.5		
GGA	3					6	9.30	4.92	4.38	191		
O1644-02	1	No	5.91	6.90	20.10	0.5	9.31	8.88	-	0	319	pH Adjusted
O1644-02	2					1	9.30	7.36	-	0		
O1644-02	3					2	9.29	7.03	2.26	255		
O1644-02	4					3	9.28	4.89	4.39	383		
O1652-01	1	No	8.30	7.22	20.20	5	9.31	8.90	-	0	4.86	pH Adjusted
O1652-01	2					20	9.30	8.78	-	0		
O1652-01	3					50	9.28	8.32	-	0		
O1652-01	4					150	9.27	6.28	2.99	4.86		
O1652-01DUP	1	No	8.30	7.22	20.20	5	9.31	8.89	-	0	4.84	pH Adjusted
O1652-01DUP	2					20	9.29	8.77	-	0		
O1652-01DUP	3					50	9.28	8.33	-	0		
O1652-01DUP	4					150	9.27	6.29	2.98	4.84		

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

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

6124199

WorkList Name : bod-2-22

WorkList ID : 167585

Department : Wet-Chemistry

Date : 02-22-2023 08:35:01

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/24/2023	Water	O1644-02	BOD5	Cool 4 deg C	ARAM01	K11	COMP	02/22/2023	SM5210 B
02/24/2023	Water	O1652-01	BOD5	Cool 4 deg C	INFR01	N11	WEEKLY-OUTFALL-002	02/22/2023	SM5210 B

Date/Time 02/22/2023 14:00

Raw Sample Received by: RM

Raw Sample Relinquished by: H (CWC)

Date/Time 02/22/2023 15:30

Raw Sample Received by: H (CWC)

Raw Sample Relinquished by: RM (CWC)