

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/16/2023**QC BATCH ID:** LB124111**BOD Water:** WP101044**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101046**GGA:** WP101045**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	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 9.24

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.77

After Incubation

Meter Calibration2: 8.52

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB124111

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 13:00

TIME OUT: 12:00

DATE IN: 02/16/2023

DATE OUT: 02/21/2023

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
LB124111BL	1	No	6.92	N/A	20.00	300	8.76	8.75	0.01	0.01	0.01	
POLYSEED	1					10	8.68	4.82	3.86	0.77	0.61	
POLYSEED	2					15	8.65	4.29	4.36	0.58		
POLYSEED	3					20	8.62	3.69	4.93	0.49		
GGA	1					6	8.65	4.45	4.2	179.5	194.67	
GGA	2					6	8.64	4.09	4.55	197		
GGA	3					6	8.50	3.74	4.76	207.5		
O1560-02	1	No	11.20	7.20	20.10	0.5	8.54	6.90	-	0	517.67	pH Adjusted
O1560-02	2					1	8.53	6.38	2.15	462		
O1560-02	3					2	8.52	4.45	4.07	519		
O1560-02	4					3	8.46	2.13	6.33	572		
O1560-02DUP	1	No	11.20	7.20	20.10	0.5	8.55	6.89	-	0	519.67	pH Adjusted
O1560-02DUP	2					1	8.54	6.39	2.15	462		
O1560-02DUP	3					2	8.53	4.44	4.09	522		
O1560-02DUP	4					3	8.48	2.12	6.36	575		
O1569-01	1	No	8.34	6.80	20.00	5	8.59	6.85	-	0	3.34	pH Adjusted
O1569-01	2					20	8.58	6.84	-	0		
O1569-01	3					50	8.57	6.83	-	0		
O1569-01	4					150	8.56	6.28	2.28	3.34		

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)

WorkList Name : bod2-16

WorkList ID : 167424

Department : Wet-Chemistry

Date : 02-16-2023 08:23:54

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/17/2023	Water	O1560-02	BOD5	Cool 4 deg C	ARAM01	N11	COMP	02/15/2023	SM5210 B
02/17/2023	Water	O1569-01	BOD5	Cool 4 deg C	INFR01	F51	WEEKLY-OUTFALL-002	02/15/2023	SM5210 B

Date/Time 02/16/2023 11:30
 Raw Sample Received by: RM GWC
 Raw Sample Relinquished by: CF GWC

Date/Time 02/16/2023 13:15
 Raw Sample Received by: CF GWC
 Raw Sample Relinquished by: RM GWC