

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/27/2023**QC BATCH ID:** LB127516**BOD Water:** WP104381**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104383**GGA:** WP104382**Chlorine Strips:** W2011**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP104002

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.2
WINKLER 2	WINKLER 2	2	300	9.4	18.4	9	9.2

Meter Calibration1: 9.40

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.26

After Incubation

Meter Calibration2: 9.15

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB127516

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 17:00

TIME OUT: 15:00

DATE IN: 09/27/2023

DATE OUT: 10/02/2023

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
LB127516BL	1	No	6.63	N/A	20.00	300	9.25	9.24	0.01	0.01	0.01	
POLYSEED	1					10	9.21	6.54	2.67	0.53	0.49	
POLYSEED	2					15	9.20	5.92	3.28	0.44		
POLYSEED	3					20	9.18	4.18	5	0.5		
GGA	1					6	9.18	5.20	3.98	174.5	183.83	
GGA	2					6	9.16	4.93	4.23	187		
GGA	3					6	9.16	4.87	4.29	190		
O4349-03	1	No	2.76	7.43	20.00	1	9.21	8.54	-	0	25.98	pH Adjusted
O4349-03	2					5	9.19	8.87	-	0		
O4349-03	3					20	9.18	7.25	-	0		
O4349-03	4					50	9.11	4.29	4.82	25.98		
O4349-03	5					100	9.02	0.27	-	0		
O4626-02	1	No	6.54	N/A	20.00	0.5	9.20	7.58	-	0	1437	
O4626-02	2					1	9.18	3.90	5.28	1437		
O4626-02	3					2	9.08	0.24	-	0		
O4626-02	4					3	8.94	0.19	-	0		
O4626-02DUP	1	No	6.54	N/A	20.00	0.5	9.19	7.42	-	0	1446	
O4626-02DUP	2					1	9.16	3.85	5.31	1446		
O4626-02DUP	3					2	9.06	0.21	-	0		
O4626-02DUP	4					3	8.94	0.20	-	0		
O4631-01	1	No	8.42	7.38	20.00	5	9.20	8.92	-	0		pH Adjusted
O4631-01	2					20	9.19	8.70	-	0		
O4631-01	3					50	9.17	8.64	-	0		
O4631-01	4					150	9.15	8.52	-	0		

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)

16127516

WorkList Name : bod5-9-27

WorkList ID : 173998

Department : Wet-Chemistry

Date : 09-27-2023 08:34:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4631-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	N11	09/27/2023	SM5210 B
O4626-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	N11	09/27/2023	SM5210 B
O4349-03	PT-DEM-WP	Water	BOD5	Cool 4 deg C	CHEM02	QA Of	09/05/2023	SM5210 B

Date/Time 09/27/2023 15:00
 Raw Sample Received by: RMA
 Raw Sample Relinquished by: 966000

Date/Time 09/27/2023 16:30
 Raw Sample Received by: 966000
 Raw Sample Relinquished by: 966000