

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/30/2023**QC BATCH ID:** LB127564**BOD Water:** WP104462**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104464**GGA:** WP104463**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:** WP104465

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	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.35

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.40

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB127564

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 09:30

TIME OUT: 10:00

DATE IN: 09/30/2023

DATE OUT: 10/05/2023

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
LB127564BL	1	No	6.78	N/A	20.00	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.40	6.52	2.88	0.58	0.58	
POLYSEED	2					15	9.38	4.77	4.61	0.61		
POLYSEED	3					20	9.37	3.88	5.49	0.55		
GGA	1					6	9.38	5.27	4.11	176.5	190.83	
GGA	2					6	9.36	4.98	4.38	190		
GGA	3					6	9.36	4.66	4.7	206		
O4682-01	1	No	5.94	6.69	20.00	5	9.44	8.99	-	0		pH Adjusted
O4682-01	2					20	9.42	8.82	-	0		
O4682-01	3					50	9.41	8.56	-	0		
O4682-01	4					150	9.40	8.44	-	0		
O4682-03	1	No	6.70	N/A	20.00	5	9.43	8.94	-	0		
O4682-03	2					20	9.40	8.58	-	0		
O4682-03	3					50	9.39	8.35	-	0		
O4682-03	4					150	9.38	7.82	-	0		
O4682-05	1	No	6.73	N/A	20.00	5	9.44	8.90	-	0		
O4682-05	2					20	9.42	8.74	-	0		
O4682-05	3					50	9.41	8.67	-	0		
O4682-05	4					150	9.39	8.44	-	0		
O4682-07	1	No	6.73	N/A	20.00	5	9.43	8.92	-	0		
O4682-07	2					20	9.41	8.70	-	0		
O4682-07	3					50	9.40	8.54	-	0		
O4682-07	4					150	9.39	8.21	-	0		
O4682-07DUP	1	No	6.73	N/A	20.00	5	9.44	8.80	-	0		
O4682-07DUP	2					20	9.42	8.64	-	0		
O4682-07DUP	3					50	9.40	8.42	-	0		
O4682-07DUP	4					150	9.39	8.17	-	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)

6127564

WorkList Name : bod5 9-29

WorkList ID : 174104

Department : Wet-Chemistry

Date : 09-29-2023 11:13:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4682-01	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	F11	09/28/2023	SM5210 B
O4682-03	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	F11	09/28/2023	SM5210 B
O4682-05	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	F11	09/28/2023	SM5210 B
O4682-07	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	F11	09/28/2023	SM5210 B

Date/Time 09/30/2023 08.00
 Raw Sample Received by: RMA CWC2
 Raw Sample Relinquished by: [Signature]

Date/Time 09/30/2023 09.00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RMA CWC2