

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/07/2023**QC BATCH ID:** LB124903**BOD Water:** WP101878**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP101880**GGA:** WP101879**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP101527

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: 8.87

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.57

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

Barometric Pressure2: 755 mmHg

QC BATCH ID: LB124903

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 18:00

TIME OUT: 16:20

DATE IN: 04/07/2023

DATE OUT: 04/12/2023

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
LB124903BL	1	No	6.57	N/A	20.40	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.42	6.61	2.81	0.56	0.57	
POLYSEED	2					15	9.40	4.97	4.43	0.59		
POLYSEED	3					20	9.39	3.84	5.55	0.55		
GGA	1					6	9.39	4.89	4.5	196.5	202.5	
GGA	2					6	9.38	4.71	4.67	205		
GGA	3					6	9.37	4.68	4.69	206		
O2247-01	1	No	5.62	6.68	20.00	5	9.46	8.53	-	0		pH Adjusted
O2247-01	2					20	9.45	8.52	-	0		
O2247-01	3					50	9.44	8.50	-	0		
O2247-01	4					150	9.43	8.49	-	0		
O2247-03	1	No	6.19	6.65	20.00	5	9.46	8.81	-	0		pH Adjusted
O2247-03	2					20	9.45	8.64	-	0		
O2247-03	3					50	9.43	8.63	-	0		
O2247-03	4					150	9.42	8.52	-	0		
O2247-05	1	No	5.80	6.69	20.00	5	9.45	8.80	-	0		pH Adjusted
O2247-05	2					20	9.44	8.79	-	0		
O2247-05	3					50	9.43	8.78	-	0		
O2247-05	4					150	9.42	8.68	-	0		
O2247-05DUP	1	No	5.80	6.69	20.00	5	9.46	8.79	-	0		pH Adjusted
O2247-05DUP	2					20	9.45	8.78	-	0		
O2247-05DUP	3					50	9.44	8.77	-	0		
O2247-05DUP	4					150	9.41	8.67	-	0		
O2247-11	1	No	6.56	N/A	20.00	5	9.46	8.54	-	0		
O2247-11	2					20	9.45	8.53	-	0		
O2247-11	3					50	9.23	8.39	-	0		
O2247-11	4					150	8.71	7.47	-	0		
O2247-13	1	No	5.86	6.65	20.00	5	9.46	7.02	2.44	112.2	38.8	pH Adjusted
O2247-13	2					20	9.45	7.01	2.44	28.05		
O2247-13	3					50	9.44	7.00	2.44	11.22		
O2247-13	4					150	9.42	6.99	2.43	3.72		
O2257-03	1	No	8.62	7.42	20.00	5	9.44	0.16	-	0		pH Adjusted
O2257-03	2					20	9.21	0.12	-	0		
O2257-03	3					50	8.57	0.08	-	0		
O2257-03	4					150	6.46	0.05	-	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)

66124903

WorkList Name : BOD5-4-7

WorkList ID : 168865

Department : Wet-Chemistry

Date : 04-07-2023 12:59:31

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/08/2023	Water	O2247-01	BOD5	Cool 4 deg C	LOCK01	M11	PK-10S	04/06/2023	SM5210 B
04/08/2023	Water	O2247-03	BOD5	Cool 4 deg C	LOCK01	M11	PK-10I	04/06/2023	SM5210 B
04/08/2023	Water	O2247-05	BOD5	Cool 4 deg C	LOCK01	M11	PK-10D	04/06/2023	SM5210 B
04/08/2023	Water	O2247-11	BOD5	Cool 4 deg C	LOCK01	M11	RW-12I	04/06/2023	SM5210 B
04/08/2023	Water	O2247-13	BOD5	Cool 4 deg C	LOCK01	M11	RW-12D	04/06/2023	SM5210 B
04/09/2023	Water	O2257-03	BOD5	Cool 4 deg C	PSEG03	M11	ELJ-WATER-0407	04/07/2023	SM5210 B

Date/Time 04/07/2023 16:30
 Raw Sample Received by: R07 CWG
 Raw Sample Relinquished by: J01(CD)1

Date/Time 04/07/2023 18:10
 Raw Sample Received by: J01(CD)1
 Raw Sample Relinquished by: R14 CWG