

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/26/2023**QC BATCH ID:** LB125161**BOD Water:** WP102148**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102150**GGA:** WP102149**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP102042

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

Meter Calibration1: 9.14

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.25

After Incubation

Meter Calibration2: 8.71

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

Barometric Pressure2: 745 mmHg



QC BATCH ID: LB125161

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 13:50

TIME OUT: 13:30

DATE IN: 04/26/2023

DATE OUT: 05/01/2023

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
LB125161BL	1	No	6.67	N/A	20.60	300	9.24	9.23	0.01	0.01	0.01	
POLYSEED	1					10	9.19	4.98	4.21	0.84	0.67	
POLYSEED	2					15	9.18	4.44	4.74	0.63		
POLYSEED	3					20	9.17	3.62	5.55	0.55		
GGA	1					6	9.17	4.82	4.35	184	195.5	
GGA	2					6	9.14	4.60	4.54	193.5		
GGA	3					6	9.13	4.28	4.85	209		
O2495-01	1	No	6.66	N/A	20.00	5	9.19	8.72	-	0	26.64	
O2495-01	2					20	8.99	8.71	-	0		
O2495-01	3					50	8.68	3.57	5.11	26.64		
O2495-01	4					150	7.12	0.68	-	0		
O2495-01DUP	1	No	6.66	N/A	20.00	5	9.20	8.71	-	0	26.64	
O2495-01DUP	2					20	8.98	8.70	-	0		
O2495-01DUP	3					50	8.67	3.56	5.11	26.64		
O2495-01DUP	4					150	7.13	0.67	-	0		
O2495-03	1	No	6.74	N/A	20.00	5	9.12	8.68	-	0	14.28	
O2495-03	2					20	9.02	8.60	-	0		
O2495-03	3					50	8.64	5.59	3.05	14.28		
O2495-03	4					150	7.51	0.37	-	0		
O2495-05	1	No	9.43	7.06	20.10	5	9.19	8.70	-	0	6.36	pH Adjusted
O2495-05	2					20	9.01	8.62	-	0		
O2495-05	3					50	8.80	8.60	-	0		
O2495-05	4					150	8.05	4.20	3.85	6.36		
O2495-07	1	No	9.49	6.98	20.10	5	9.15	8.70	-	0	3.54	pH Adjusted
O2495-07	2					20	9.02	8.68	-	0		
O2495-07	3					50	8.77	8.67	-	0		
O2495-07	4					150	7.87	5.43	2.44	3.54		
O2495-09	1	No	7.87	7.16	20.20	5	9.11	8.02	-	0	6.46	pH Adjusted
O2495-09	2					20	9.05	8.00	-	0		
O2495-09	3					50	8.86	7.98	-	0		
O2495-09	4					150	8.05	4.15	3.9	6.46		

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)

66125161

WorkList Name : bod-4-26

WorkList ID : 169406

Department : Wet-Chemistry

Date : 04-26-2023 08:27:38

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/27/2023	Water	O2495-01k	BOD5	Cool 4 deg C	GEIC06	N11	PZ-01	04/25/2023	SM5210 B
04/27/2023	Water	O2495-03k	BOD5	Cool 4 deg C	GEIC06	N11	PZ-02	04/25/2023	SM5210 B
04/27/2023	Water	O2495-05k	BOD5	Cool 4 deg C	GEIC06	N11	GMW-11	04/25/2023	SM5210 B
04/27/2023	Water	O2495-07k	BOD5	Cool 4 deg C	GEIC06	N11	GMW-X	04/25/2023	SM5210 B
04/27/2023	Water	O2495-09k	BOD5	Cool 4 deg C	GEIC06	N11	GMW-5	04/25/2023	SM5210 B

Date/Time 04/26/2023 12:00
 Raw Sample Received by: R17 C1000
 Raw Sample Relinquished by: 7060001

Date/Time 04/26/2023 14:00
 Raw Sample Received by: 7060001
 Raw Sample Relinquished by: R17 C1000