

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 05/18/2023**QC BATCH ID:** LB125535**BOD Water:** WP102520**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102522**GGA:** WP102521**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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.83

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.05

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB125535

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 14:00

TIME OUT: 14:00

DATE IN: 05/18/2023

DATE OUT: 05/23/2023

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
LB125535BL	1	No	6.74	N/A	20.70	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.45	5.12	4.33	0.87	0.7	
POLYSEED	2					15	9.43	4.30	5.13	0.68		
POLYSEED	3					20	9.42	3.98	5.44	0.54		
GGA	1					6	9.38	4.52	4.86	208	223.67	
GGA	2					6	9.36	4.40	4.96	213		
GGA	3					6	9.35	3.65	5.7	250		
O2819-02	1	No	6.77	N/A	20.00	0.5	9.35	5.42	3.93	1938	1364	
O2819-02	2					1	9.33	5.00	4.33	1089		
O2819-02	3					2	9.20	1.40	7.8	1065		
O2819-02	4					3	9.01	0.29	-	0		
O2819-02DUP	1	No	6.77	N/A	20.00	0.5	9.34	5.43	3.91	1926	1358	
O2819-02DUP	2					1	9.33	5.01	4.32	1086		
O2819-02DUP	3					2	9.19	1.41	7.78	1062		
O2819-02DUP	4					3	9.02	0.30	-	0		
O2824-02	1	No	8.65	6.98	20.20	0.5	9.29	8.43	-	0		pH Adjusted
O2824-02	2					1	9.25	8.03	-	0		
O2824-02	3					2	9.15	7.62	-	0		
O2824-02	4					3	9.00	7.48	-	0		
O2829-01	1	No	8.25	7.41	20.00	5	9.26	7.47	-	0	5.74	pH Adjusted
O2829-01	2					20	9.25	7.38	-	0		
O2829-01	3					50	9.24	7.15	2.09	8.34		
O2829-01	4					150	9.23	6.96	2.27	3.14		

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)

6125535

WorkList Name : bod5-5-17 WorkList ID : 170063 Department : Wet-Chemistry Date : 05-17-2023 08:20:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O2829-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	N11	05/17/2023	SM5210 B
O2819-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	N11	05/17/2023	SM5210 B
O2824-02	EFF-WW	Water	BOD5	Cool 4 deg C	ARDM01	O11	05/17/2023	SM5210 B

Date/Time 05/18/2023 12:00
 Raw Sample Received by: RT (we)
 Raw Sample Relinquished by: JO (we)

Date/Time 05/18/2023 14:20
 Raw Sample Received by: JO (we)
 Raw Sample Relinquished by: RT (we)