

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/28/2023**QC BATCH ID:** LB125214**BOD Water:** WP102178**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102180**GGA:** WP102179**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	8.7	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.7	17.4	8.7	8.7

Meter Calibration1: 8.84

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.78

After Incubation

Meter Calibration2: 8.74

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

Barometric Pressure2: 750 mmHg



QC BATCH ID: LB125214

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:30

TIME OUT: 14:00

DATE IN: 04/28/2023

DATE OUT: 05/03/2023

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
LB125214BL	1	No	6.75	N/A	20.50	300	8.77	8.76	0.01	0.01	0.01	
POLYSEED	1					10	8.74	5.04	3.7	0.74	0.64	
POLYSEED	2					15	8.72	4.16	4.56	0.61		
POLYSEED	3					20	8.71	2.98	5.73	0.57		
GGA	1					6	8.72	4.21	4.51	193.5	202.67	
GGA	2					6	8.71	4.03	4.68	202		
GGA	3					6	8.70	3.81	4.89	212.5		
O2560-01	1	No	7.35	N/A	20.00	0.5	8.70	7.88	-	0	187.2	
O2560-01	2					1	8.68	7.62	-	0		
O2560-01	3					2	8.60	6.87	-	0		
O2560-01	4					5	8.39	4.63	3.76	187.2		
O2560-01	5					10	8.00	0.52	-	0		
O2560-01DUP	1	No	7.35	N/A	20.00	0.5	8.71	7.87	-	0	188.4	
O2560-01DUP	2					1	8.69	7.61	-	0		
O2560-01DUP	3					2	8.59	6.88	-	0		
O2560-01DUP	4					5	8.40	4.62	3.78	188.4		
O2560-01DUP	5					10	8.01	0.53	-	0		
O2560-05	1	No	4.59	6.74	20.00	0.01	8.74	8.13	-	0	6960	pH Adjusted
O2560-05	2					0.05	8.70	7.38	-	0		
O2560-05	3					0.1	8.68	5.72	2.96	6960		
O2560-05	4					0.5	8.39	0.48	-	0		
O2560-05	5					1	7.94	0.13	-	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)

16125214

WorkList Name : bod-4-28 WorkList ID : 169486 Department : Wet-Chemistry Date : 04-28-2023 08:25:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/30/2023	Water	O2560-01	BOD5	Cool 4 deg C	HOLL01	K11	EFFLUENT	04/28/2023	SM5210 B
04/30/2023	Water	O2560-05	BOD5	Cool 4 deg C	HOLL01	K11	INFLUENT	04/28/2023	SM5210 B

Date/Time 04/28/2023 15:30
Raw Sample Received by: R19 (w.e.)
Raw Sample Relinquished by: 4050007

Date/Time 04/28/2023 16:40
Raw Sample Received by: 40110007
Raw Sample Relinquished by: R19 (w.e.)