

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 05/12/2023**QC BATCH ID:** LB125463**BOD Water:** WP102419**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102421**GGA:** WP102420**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: 8.65

Zero DO Reading1: 0.16 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.90

Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB125463

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 13:00

DATE IN: 05/12/2023

DATE OUT: 05/17/2023

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
LB125463BL	1	No	6.60	N/A	20.60	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.31	5.03	4.28	0.86	0.71	
POLYSEED	2					15	9.30	4.40	4.9	0.65		
POLYSEED	3					20	9.29	3.08	6.21	0.62		
GGA	1					6	9.35	5.26	4.09	169	174.67	
GGA	2					6	9.31	5.09	4.22	175.5		
GGA	3					6	9.29	4.99	4.3	179.5		
O2778-01	1	No	6.47	6.71	20.50	0.5	9.33	9.12	-	0	154.2	pH Adjusted
O2778-01	2					1	9.24	8.81	-	0		
O2778-01	3					2	9.19	8.69	-	0		
O2778-01	4					5	8.79	5.73	3.06	141		
O2778-01	5					10	8.19	1.90	6.29	167.4		
O2778-01DUP	1	No	6.47	6.71	20.50	0.5	9.32	9.11	-	0	154.5	pH Adjusted
O2778-01DUP	2					1	9.23	8.80	-	0		
O2778-01DUP	3					2	9.20	8.70	-	0		
O2778-01DUP	4					5	8.80	5.72	3.08	142.2		
O2778-01DUP	5					10	8.18	1.91	6.27	166.8		
O2778-05	1	No	4.30	6.64	20.80	0.01	9.31	8.75	-	0	3612	pH Adjusted
O2778-05	2					0.05	9.27	8.42	-	0		
O2778-05	3					0.1	9.22	8.37	-	0		
O2778-05	4					0.5	8.83	2.10	6.73	3612		
O2778-05	5					1	8.39	0.26	-	0		
O2781-01	1	No	6.96	N/A	20.40	5	9.45	9.19	-	0		
O2781-01	2					20	9.30	8.41	-	0		
O2781-01	3					50	9.02	8.34	-	0		
O2781-01	4					150	7.90	6.28	-	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)

6125463

WorkList Name : bod-5-12

WorkList ID : 169920

Department : Wet-Chemistry

Date : 05-12-2023 08:25:30

Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
Water	02781-01 L	BOD5	Cool 4 deg C	PSEG03	O11	MGP-WASTE-WASTER-5/12/23	05/12/2023	SM5210 B
Water	02778-01 C	BOD5	Cool 4 deg C	HOLL01	O11	EFFLUENT	05/12/2023	SM5210 B
Water	02778-05 B	BOD5	Cool 4 deg C	HOLL01	O11	INFLUENT	05/12/2023	SM5210 B

Date/Time 05/12/2023 14:40

Raw Sample Received by: Rm Cive

Raw Sample Relinquished by: JH(COC)

Date/Time 05/12/2023 16:10

Raw Sample Received by: JH(COC)

Raw Sample Relinquished by: Rm Cive