

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 12/22/2022**QC BATCH ID:** LB123382**BOD Water:** WP100351**Starch:** W2977**Sulfuric acid, 1N:** WP97258**POLYSEED:** WP1003539**GGA:** WP100352**Chlorine Strips:** W2011**pH Strips:** W2716**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP97250**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP100199

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 9.33

Barometric Pressure1: 765 mmHg

Zero DO Reading1: 0.09 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.75

After Incubation

Meter Calibration2: 8.52

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.07 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.73



QC BATCH ID: LB123382

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 09:20

TIME OUT: 13:00

DATE IN: 12/22/2022

DATE OUT: 12/27/2022

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
LB123382BL	1	No	6.90	N/A	20.10	300	8.73	8.72	0.01	0.01	0.01	
POLYSEED	1					10	8.70	4.90	3.8	0.76	0.63	
POLYSEED	2					15	8.69	4.18	4.51	0.6		
POLYSEED	3					20	8.66	3.38	5.28	0.53		
GGA	1					6	8.66	4.60	4.06	171.5	172.17	
GGA	2					6	8.63	4.56	4.07	172		
GGA	3					6	8.61	4.52	4.09	173		
N6152-01	1	No	6.44	6.70	20.10	5	8.68	7.89	-	0	8.69	pH Adjusted
N6152-01	2					20	8.55	7.06	-	0		
N6152-01	3					50	8.03	5.59	2.44	10.86		
N6152-01	4					150	5.90	2.01	3.89	6.52		
N6166-02	1	No	9.03	7.20	20.20	0.5	8.72	7.38	-	0	478.17	pH Adjusted
N6166-02	2					1	8.71	6.01	2.7	621		
N6166-02	3					2	8.70	5.24	3.46	424.5		
N6166-02	4					3	8.68	4.16	4.52	389		
N6166-02DUP	1	No	9.03	7.20	20.20	0.5	8.72	7.36	-	0	474.67	pH Adjusted
N6166-02DUP	2					1	8.70	6.03	2.67	612		
N6166-02DUP	3					2	8.69	5.22	3.47	426		
N6166-02DUP	4					3	8.67	4.18	4.49	386		
N6177-01	1	No	8.25	6.80	20.10	5	8.72	7.61	-	0	2.86	pH Adjusted
N6177-01	2					20	8.71	7.60	-	0		
N6177-01	3					50	8.70	7.38	-	0		
N6177-01	4					150	8.69	6.63	2.06	2.86		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

6123382

WorkList Name : BOD12-21

WorkList ID : 166021

Department : Wet-Chemistry

Date : 12-21-2022 15:39:05

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
12/23/2022	Water	N6177-01	✓ BOD5	Cool 4 deg C	INFR01	N11	WEEKLY-OUTFALL-002	12/21/2022	SM5210 B
12/23/2022	Water	N6166-02	✓ BOD5	Cool 4 deg C	ARAM01	N41	COMP	12/21/2022	SM5210 B
12/22/2022	Water	N6152-01	✓ BOD5	Cool 4 deg C	PSEG03	N12	GROUND-WATER	12/20/2022	SM5210 B

Date/Time 12/22/2022 08:30
 Raw Sample Received by: RM CP SM
 Raw Sample Relinquished by: CP SM

Date/Time 12/22/2022 09:25
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: RM CWC