

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 07/07/2023**QC BATCH ID:** LB126354**BOD Water:** WP103146**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP103148**NaOH, 1N:** WP101216**GGA:** WP103147**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP103062

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.80

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.35

After Incubation

Meter Calibration2: 8.68

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB126354

INCUBATOR TEMP IN(C): 20.8

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:50

TIME OUT: 15:00

DATE IN: 07/07/2023

DATE OUT: 07/12/2023

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
LB126354BL	1	No	6.64	N/A	20.70	300	9.34	9.32	0.02	0.02	0.02	
POLYSEED	1					10	9.33	5.99	3.34	0.67	0.64	
POLYSEED	2					15	9.25	4.32	4.93	0.66		
POLYSEED	3					20	9.15	3.17	5.98	0.6		
GGA	1					6	9.22	5.02	4.2	178	184	
GGA	2					6	9.17	4.82	4.35	185.5		
GGA	3					6	9.02	4.61	4.41	188.5		
O3538-05	1	No	7.12	N/A	20.70	5	9.10	8.69	-	0	10.27	
O3538-05	2					20	8.96	8.55	-	0		
O3538-05	3					50	8.90	6.29	2.61	11.82		
O3538-05	4					150	8.88	3.88	5	8.72		
O3538-05DUP	1	No	7.12	N/A	20.70	5	9.02	8.77	-	0	10.45	
O3538-05DUP	2					20	8.90	8.41	-	0		
O3538-05DUP	3					50	8.86	6.20	2.66	12.12		
O3538-05DUP	4					150	8.74	3.71	5.03	8.78		
O3538-06	1	No	6.99	N/A	20.60	5	9.02	8.20	-	0	14.22	
O3538-06	2					20	8.84	7.90	-	0		
O3538-06	3					50	8.82	7.65	-	0		
O3538-06	4					150	8.77	1.02	7.75	14.22		
O3556-01	1	No	7.43	N/A	20.40	5	9.08	8.48	-	0	49.44	
O3556-01	2					20	8.95	4.43	4.52	58.2		
O3556-01	3					50	8.84	1.42	7.42	40.68		
O3556-01	4					150	8.66	0.26	-	0		
O3560-01	1	No	8.24	7.36	20.50	5	9.09	8.71	-	0		pH Adjusted
O3560-01	2					20	9.02	8.51	-	0		
O3560-01	3					50	8.92	8.40	-	0		
O3560-01	4					150	8.80	7.15	-	0		
O3563-01	1	No	6.83	N/A	20.30	5	9.04	6.95	2.09	87	97.05	
O3563-01	2					20	8.97	1.19	7.78	107.1		
O3563-01	3					50	8.86	0.25	-	0		
O3563-01	4					150	8.68	0.23	-	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)

6126354

WorkList Name : bod5 -7-7

WorkList ID : 171676

Department : Wet-Chemistry

Date : 07-07-2023 10:03:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3556-01	QUARTERLY-INFLUENT	Water	BOD5	Cool 4 deg C	INFR01	I11	07/06/2023	SM5210 B
O3560-01	QUARTERLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	I11	07/06/2023	SM5210 B
O3538-05	SW-01	Water	BOD5	Cool 4 deg C	ROUX01	I11	07/06/2023	SM5210 B
O3538-06	SW-02	Water	BOD5	Cool 4 deg C	ROUX01	I11	07/06/2023	SM5210 B
O3563-01	HOUSE-BASEMENT	Water	BOD5	Cool 4 deg C	PSEG03	I11	07/07/2023	SM5210 B

Date/Time 07/07/2023 15:15
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JH CWC

Date/Time 07/07/2023 17:00
 Raw Sample Received by: JH CWC
 Raw Sample Relinquished by: RM CWC