

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/14/2023**QC BATCH ID:** LB127296**BOD Water:** WP104185**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104187**GGA:** WP104186**Chlorine Strips:** W2011**pH Strips:** W3045**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP104002

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.1	9.1	9.1
WINKLER 2	WINKLER 2	2	300	9.1	18.2	9.1	9.1

Meter Calibration1: 9.03

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.12

After Incubation

Meter Calibration2: 9.34

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB127296

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 17:00

TIME OUT: 13:00

DATE IN: 09/14/2023

DATE OUT: 09/19/2023

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
LB127296BL	1	No	6.67	N/A	20.40	300	9.11	9.09	0.02	0.02	0.02	
POLYSEED	1					10	9.07	5.22	3.85	0.77	0.65	
POLYSEED	2					15	9.05	4.14	4.91	0.65		
POLYSEED	3					20	9.02	3.83	5.19	0.52		
GGA	1					6	9.05	5.12	3.93	164	171.67	
GGA	2					6	9.04	4.88	4.16	175.5		
GGA	3					6	9.02	4.86	4.16	175.5		
O4416-01	1	No	6.64	N/A	20.10	5	9.06	8.48	-	0	38.56	
O4416-01	2					20	9.01	5.89	3.12	37.05		
O4416-01	3					50	8.91	1.58	7.33	40.08		
O4416-01	4					150	8.37	0.49	-	0		
O4416-01DUP	1	No	6.64	N/A	20.10	5	9.04	8.39	-	0	39.57	
O4416-01DUP	2					20	8.99	5.76	3.23	38.7		
O4416-01DUP	3					50	8.90	1.51	7.39	40.44		
O4416-01DUP	4					150	8.33	0.46	-	0		
O4421-02	1	No	6.14	6.69	20.00	0.5	9.03	5.59	3.44	1674	1674	pH Adjusted
O4421-02	2					1	8.99	0.48	-	0		
O4421-02	3					2	8.95	0.31	-	0		
O4421-02	4					3	8.86	0.29	-	0		
O4428-01	1	No	8.51	7.39	20.00	5	9.06	8.92	-	0		pH Adjusted
O4428-01	2					20	9.05	8.71	-	0		
O4428-01	3					50	9.03	8.40	-	0		
O4428-01	4					150	9.02	8.34	-	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)

66127296

WorkList Name : bod-9-13

WorkList ID : 173537

Department : Wet-Chemistry

Date : 09-13-2023 08:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4428-01 C	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	D11	09/13/2023	SM5210 B
O4421-02 B	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D11	09/13/2023	SM5210 B
O4416-01 J	A591	Water	BOD5	Cool 4 deg C	PSEG03	N11	09/13/2023	SM5210 B

Date/Time 09/14/2023 15:25
 Raw Sample Received by: RIN CWS
 Raw Sample Relinquished by: 701 CWS

Date/Time 09/14/2023 17:10
 Raw Sample Received by: 701 CWS
 Raw Sample Relinquished by: RIN CWS