

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/20/2023**QC BATCH ID:** LB127392**BOD Water:** WP104267**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104269**GGA:** WP104268**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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.38

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.42

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB127392

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 18:15

TIME OUT: 14:30

DATE IN: 09/20/2023

DATE OUT: 09/25/2023

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
LB127392BL	1	No	6.80	N/A	20.00	300	9.45	9.43	0.02	0.02	0.02	
POLYSEED	1					10	9.42	6.36	3.06	0.61	0.59	
POLYSEED	2					15	9.35	4.86	4.49	0.6		
POLYSEED	3					20	9.32	3.65	5.67	0.57		
GGA	1					6	9.41	4.98	4.43	192	200	
GGA	2					6	9.40	4.75	4.65	203		
GGA	3					6	9.38	4.69	4.69	205		
O4474-04	1	No	7.05	N/A	20.00	5	9.43	8.79	-	0	14.47	
O4474-04	2					20	9.42	7.21	2.21	24.3		
O4474-04	3					50	9.38	6.45	2.93	14.04		
O4474-04	4					150	8.93	5.80	3.13	5.08		
O4540-01	1	No	9.08	7.40	20.00	5	9.40	8.80	-	0		pH Adjusted
O4540-01	2					20	9.34	8.51	-	0		
O4540-01	3					50	9.10	8.20	-	0		
O4540-01	4					150	7.96	6.21	-	0		
O4540-02	1	No	9.23	7.42	20.00	5	9.36	8.94	-	0		pH Adjusted
O4540-02	2					20	9.35	8.80	-	0		
O4540-02	3					50	9.34	8.45	-	0		
O4540-02	4					150	9.10	8.28	-	0		
O4540-03	1	No	8.53	7.39	20.00	5	9.43	8.88	-	0		pH Adjusted
O4540-03	2					20	9.39	8.63	-	0		
O4540-03	3					50	9.20	8.50	-	0		
O4540-03	4					150	8.57	8.13	-	0		
O4540-03DUP	1	No	8.53	7.39	20.00	5	9.42	8.82	-	0		pH Adjusted
O4540-03DUP	2					20	9.39	8.50	-	0		
O4540-03DUP	3					50	9.28	8.45	-	0		
O4540-03DUP	4					150	8.60	7.98	-	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)

16127392

WorkList Name : BOD5-9-19

WorkList ID : 173749

Department : Wet-Chemistry

Date : 09-19-2023 18:07:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4474-04	H-2313-WATER	Water	BOD5	Cool 4 deg C	PSEG03	D22	09/15/2023	SM5210 B
O4540-01	CENTRAL-M-R-HEATER	Water	BOD5	Cool 4 deg C	PSEG03	N11	09/20/2023	SM5210 B
O4540-02	EMBRIDGE-M-R-HEATER	Water	BOD5	Cool 4 deg C	PSEG03	N11	09/20/2023	SM5210 B
O4540-03	TRANSCO-M-R-HEATER	Water	BOD5	Cool 4 deg C	PSEG03	N11	09/20/2023	SM5210 B

Date/Time 09/20/2023 16:15
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JH CWC

Date/Time 09/20/2023 18:00
 Raw Sample Received by: JH CWC
 Raw Sample Relinquished by: RM CWC