

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/12/2024

QC BATCH ID: LB130317

BOD Water: WP107408

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP107410

GGA: WP107409

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W2913

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP107046

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: 9.06

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

Barometric Pressure1: 750 mmHg DO Meter BOD fluid reading for winkler comparison: 9.35

After Incubation

Meter Calibration2: 9.57

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB130317

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:45

TIME OUT: 13:00

DATE IN: 04/12/2024

DATE OUT: 04/17/2024

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
LB130317BL	1	No	6.70	N/A	20.00	300	9.35	9.34	0.01	0.01	0.01	
POLYSEED	1					10	9.11	5.21	3.9	0.78	0.79	
POLYSEED	2					15	9.09	3.16	5.93	0.79		
POLYSEED	3					20	8.89	0.55	-	0		
GGA	1					6	9.21	4.43	4.78	199.5	198.67	
GGA	2					6	9.21	4.08	5.13	217		
GGA	3					6	9.19	4.81	4.38	179.5		
P2116-02	1	No	5.01	6.84	20.00	5	9.23	9.01	-	0	25	pH Adjusted
P2116-02	2					10	9.21	8.33	-	0		
P2116-02	3					20	9.20	7.46	-	0		
P2116-02	4					30	9.18	5.89	3.29	25		
P2116-02DUP	1	No	5.01	6.84	20.00	5	9.21	9.02	-	0	25.8	pH Adjusted
P2116-02DUP	2					10	9.19	8.08	-	0		
P2116-02DUP	3					20	9.18	7.79	-	0		
P2116-02DUP	4					30	9.17	5.80	3.37	25.8		

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.

LB130317

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod-04152024 WorkList ID : 179422 Department : Wet-Chemistry Date : 04-12-2024 16:20:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2116-02	EFF-WW	Water	BOD5	Cool 4 deg C	ARDM01	I41	04/12/2024	SM5210 B

Date/Time 04.12.2024, 17:00
Raw Sample Received by: SK (WC)
Raw Sample Relinquished by: [Signature]

Date/Time 04.12.2024, 17:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: SK (WC)