

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/05/2024

QC BATCH ID: LB130240

BOD Water: WP107294

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107296

NaOH, 1N: WP106529

GGA: WP107295

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

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: 8.52

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.36

After Incubation

Meter Calibration2: 9.32

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB130240

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:30

TIME OUT: 12:30

DATE IN: 04/05/2024

DATE OUT: 04/10/2024

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
LB130240BL	1	No	6.7	N/A	20.00	300	9.35	9.35	0	0	0	
POLYSEED	1					10	9.31	2.70	6.61	1.32	1.12	
POLYSEED	2					15	9.27	2.34	6.93	0.92		
POLYSEED	3					20	9.24	0.65	-	0		
GGA	1					6	9.82	4.51	5.31	209.5	194.67	
GGA	2					6	9.30	4.50	4.8	184		
GGA	3					6	9.26	4.33	4.93	190.5		
P2023-01	1	No	6.26	6.73	20.20	5	9.29	8.46	-	0	5.94	pH Adjusted
P2023-01	2					20	9.28	8.18	-	0		
P2023-01	3					50	8.99	7.50	-	0		
P2023-01	4					150	7.78	3.69	4.09	5.94		
P2023-01DUP	1	No	6.26	6.73	20.20	5	9.34	8.48	-	0	5.84	pH Adjusted
P2023-01DUP	2					20	9.28	8.22	-	0		
P2023-01DUP	3					50	8.99	7.53	-	0		
P2023-01DUP	4					150	7.75	3.71	4.04	5.84		
P2023-02	1	No	6.69	N/A	20.10	5	9.33	8.33	-	0	6.68	
P2023-02	2					20	9.26	8.23	-	0		
P2023-02	3					50	8.98	7.85	-	0		
P2023-02	4					150	8.33	3.87	4.46	6.68		

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)

LB 130240

WorkList Name : bod5 0405 WorkList ID : 179226 Department : Wet-Chemistry Date : 04-05-2024 15:46:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2023-01	001-WILLETS-PT-BLVD(APRIL)	Water	BOD5	Cool 4 deg C	TULL01	P11	04/04/2024	SM5210 B
P2023-02	002-35TH-AVE(APRIL)	Water	BOD5	Cool 4 deg C	TULL01	P11	04/04/2024	SM5210 B

Date/Time 04-05-2024 16:00
Raw Sample Received by: SK
Raw Sample Relinquished by: JH CERC

Date/Time 04-05-2024 17:00
Raw Sample Received by: JH CERC
Raw Sample Relinquished by: SK