

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/23/2024

QC BATCH ID: LB130918

BOD Water: WP108119

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP108121

GGA: WP108120

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP108093

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: 9.30

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 9.53

Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB130918

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:00

TIME OUT: 15:00

DATE IN: 05/23/2024

DATE OUT: 05/28/2024

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
LB130918BL	1	No	6.7	N/A	20.00	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.38	5.24	4.14	0.83	0.72	
POLYSEED	2					15	9.28	4.80	4.48	0.6		
POLYSEED	3					20	9.21	0.54	-	0		
GGA	1					6	9.29	4.49	4.8	204	195.33	
GGA	2					6	9.30	4.73	4.57	192.5		
GGA	3					6	9.30	4.79	4.51	189.5		
P2581-02	1	No	6.50	N/A	20.30	0.5	9.39	6.76	2.63	1146	1146	
P2581-02	2					1	9.33	0.32	-	0		
P2581-02	3					2	9.27	0.27	-	0		
P2581-02	4					3	9.20	0.25	-	0		
P2582-01	1	No	6.22	6.71	20.40	5	9.20	8.01	-	0	18.71	pH Adjusted
P2582-01	2					20	9.15	6.99	2.16	21.6		
P2582-01	3					50	8.84	3.80	5.04	25.92		
P2582-01	4					150	7.81	2.79	5.02	8.6		
P2584-01	1	No	7.06	N/A	20.40	1	9.28	8.29	-	0		
P2584-01	2					2	9.27	8.28	-	0		
P2584-01	3					5	9.24	8.25	-	0		
P2584-01	4					10	9.23	7.32	-	0		
P2584-02	1	No	6.48	6.60	20.00	1	9.28	6.65	2.63	573	520.5	pH Adjusted
P2584-02	2					2	9.24	5.40	3.84	468		
P2584-02	3					5	9.19	0.33	-	0		
P2584-02	4					10	9.16	0.20	-	0		
P2584-02DUP	1	No	6.48	6.60	20.00	1	9.25	6.18	3.07	705	612	pH Adjusted
P2584-02DUP	2					2	9.21	5.03	4.18	519		
P2584-02DUP	3					5	9.20	0.24	-	0		
P2584-02DUP	4					10	9.13	0.20	-	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.

LB 130918

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-05232024

WorkList ID : 180473

Department : Wet-Chemistry

Date : 05-23-2024 10:00:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2582-01	SY-3	Water	BOD5	Cool 4 deg C	LOCK01	K21	05/22/2024	SM5210 B
P2581-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K21	05/22/2024	SM5210 B
P2584-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	K21	05/22/2024	SM5210 B
P2584-02	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	K21	05/22/2024	SM5210 B

Date/Time 05.23.2024, 13:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: [Signature]

Date/Time 05.23.2024, 15:20
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: NF(wc)