

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/17/2024

QC BATCH ID: LB130824

BOD Water: WP108005

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP108006

NaOH, 1N: WP106529

GGA: WP108007

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107608

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.00	12.70	12.7	12.7
WINKLER 2	WINKLER 2	2	300	12.70	25.4	12.7	12.7

Meter Calibration1: 12.50

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 12.70

After Incubation

Meter Calibration2: 10.01

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130824

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:15

TIME OUT: 16:00

DATE IN: 05/17/2024

DATE OUT: 05/22/2024

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
LB130824BL	1	No	6.7	N/A	20.00	300	12.69	12.67	0.02	0.02	0.02	
POLYSEED	1					10	12.64	6.00	6.64	1.33	1.12	
POLYSEED	2					15	12.61	4.64	7.97	1.06		
POLYSEED	3					20	12.48	2.90	9.58	0.96		
GGA	1					6	12.60	7.36	5.24	206	221.5	
GGA	2					6	12.60	6.92	5.68	228		
GGA	3					6	12.51	6.78	5.73	230.5		
P2530-01	1	No	7.00	N/A	20.00	0.5	12.51	7.53	4.98	2316	1923	
P2530-01	2					1	12.47	4.33	8.14	2106		
P2530-01	3					2	12.42	2.32	10.1	1347		
P2530-01	4					5	12.15	0.29	-	0		
P2530-01	5					10	11.70	0.19	-	0		
P2530-01DUP	1	No	7.00	N/A	20.00	0.5	12.40	7.56	4.84	2232	1906.5	
P2530-01DUP	2					1	12.39	4.13	8.26	2142		
P2530-01DUP	3					2	12.41	2.32	10.09	1345.5		
P2530-01DUP	4					5	12.11	0.26	-	0		
P2530-01DUP	5					10	11.57	0.20	-	0		
P2530-05	1	No	4.50	6.51	20.10	0.01	12.45	9.97	2.48	40800	19104	pH Adjusted
P2530-05	2					0.05	12.46	8.76	3.7	15480		
P2530-05	3					0.1	12.48	6.44	6.04	14760		
P2530-05	4					0.5	12.45	2.37	10.08	5376		
P2530-05	5					1	12.57	0.21	-	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)

LB130824

WorkList Name : BOD5-05172024 WorkList ID : 180331 Department : Wet-Chemistry Date : 05-17-2024 13:22:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2530-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K31	05/17/2024	SM5210 B
P2530-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K31	05/17/2024	SM5210 B

Date/Time 05-17-2024 15:00
Raw Sample Received by: NF(WC)
Raw Sample Relinquished by: JH WC

Date/Time 05-17-2024 16:30
Raw Sample Received by: NF(WC)
Raw Sample Relinquished by: NF(WC)