



CBOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB125648

Analysis Date: 05/25/2023

BOD Water: WP102623

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP100509

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP102625

NaOH, 1N: WP101216

GGA: WP102624

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3006

Zero DO: WP102602

Nitrification Inhibitor: W2792

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: 9.02

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.95

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB125648

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 14:45

TIME OUT: 14:00

DATE IN: 05/25/2023

DATE OUT: 05/30/2023

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
LB125648BL	1	No	6.60	N/A	20.50	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.40	6.19	3.21	0.64	0.65	
POLYSEED	2					15	9.37	4.58	4.79	0.64		
POLYSEED	3					20	9.34	2.77	6.57	0.66		
GGA	1					6	9.36	5.01	4.35	185	185.83	
GGA	2					6	9.32	4.96	4.36	185.5		
GGA	3					6	9.32	4.93	4.39	187		
O2945-09	1	No	6.88	N/A	20.00	5	9.19	8.73	-	0		
O2945-09	2					20	9.09	8.66	-	0		
O2945-09	3					50	8.91	8.55	-	0		
O2945-09	4					150	8.07	7.06	-	0		
O2945-09DUP	1	No	6.88	N/A	20.00	5	9.18	8.70	-	0		
O2945-09DUP	2					20	9.10	8.61	-	0		
O2945-09DUP	3					50	8.93	8.57	-	0		
O2945-09DUP	4					150	8.05	7.05	-	0		
O2945-11	1	No	6.33	6.65	20.00	5	9.06	9.04	-	0		pH Adjusted
O2945-11	2					20	9.02	8.79	-	0		
O2945-11	3					50	8.98	8.55	-	0		
O2945-11	4					150	8.79	8.47	-	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)

LB125648

WorkList Name : cbod5-25

WorkList ID : 170326

Department : Wet-Chemistry

Date : 05-25-2023 09:35:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O2945-09	TWP03	Water	CBOD5	Cool 4 deg C	loui01	D11	05/24/2023	SM5210 B
O2945-11	TWP04	Water	CBOD5	Cool 4 deg C	loui01	D11	05/24/2023	SM5210 B

Date/Time 05/25/2023 13:00
 Raw Sample Received by: Ryan Cury
 Raw Sample Relinquished by: Ryan Cury

Date/Time 05/25/2023 14:30
 Raw Sample Received by: Ryan Cury
 Raw Sample Relinquished by: Ryan Cury