



BOD Soluble LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB127617

Analysis Date: 10/04/2023

BOD Water: WP104513

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP102923

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP104515

NaOH, 1N: WP103989

GGA: WP104514

IncubatorID: INCUBATOR#3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3045

Zero DO: WP104465

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: 8.92

Zero DO Reading1: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.39

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB127617

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:00

TIME OUT: 12:30

DATE IN: 10/04/2023

DATE OUT: 10/09/2023

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
LB127617BL	1	No	6.70	N/A	20.60	300	9.45	9.42	0.03	0.03	0.03	
POLYSEED	1					10	9.43	5.43	4	0.8	0.71	
POLYSEED	2					15	9.41	4.03	5.38	0.72		
POLYSEED	3					20	9.40	3.37	6.03	0.6		
GGA	1					6	9.42	5.01	4.41	185	195.5	
GGA	2					6	9.42	4.71	4.71	200		
GGA	3					6	9.40	4.66	4.74	201.5		
O4715-08	1	No	7.93	7.42	20.00	2	9.41	8.81	-	0	25.98	pH Adjusted
O4715-08	2					10	9.40	8.03	-	0		
O4715-08	3					50	9.18	4.14	5.04	25.98		
O4715-08	4					100	8.91	0.66	-	0		
O4715-08DUP	1	No	7.93	7.42	20.00	2	9.43	8.69	-	0	26.46	pH Adjusted
O4715-08DUP	2					10	9.39	8.17	-	0		
O4715-08DUP	3					50	9.21	4.09	5.12	26.46		
O4715-08DUP	4					100	8.88	0.70	-	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)

66127617

WorkList Name : bod5-sul-9-4

WorkList ID : 174224

Department : Wet-Chemistry

Date : 10-04-2023 08:15:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4715-08 8	6CS	Water	BOD Soluble	Cool 4 deg C	M&MMO1	E41	10/03/2023	SM5210 B

Date/Time 10/04/2023 14:30
 Raw Sample Received by: RMA
 Raw Sample Relinquished by: JHCOG

Date/Time 10/04/2023 16:10
 Raw Sample Received by: RMA
 Raw Sample Relinquished by: JHCOG