



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB129523

Analysis Date: 02/14/2024

BOD Water: WP106589

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP106591

NaOH, 1N: WP106529

GGA: WP106590

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP106592

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: 9.01

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.08

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB129523

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 10:00

TIME OUT: 12:30

DATE IN: 02/14/2024

DATE OUT: 02/19/2024

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
LB129523BL	1	No	6.67	N/A	20.50	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.45	6.29	3.16	0.63	0.6	
POLYSEED	2					15	9.42	5.02	4.4	0.59		
POLYSEED	3					20	9.40	3.61	5.79	0.58		
GGA	1					6	9.43	5.13	4.3	185	193.33	
GGA	2					6	9.41	4.92	4.49	194.5		
GGA	3					6	9.40	4.79	4.61	200.5		
P1458-01	1	No	7.49	N/A	20.60	5	9.45	8.32	-	0	6.63	
P1458-01	2					20	9.44	7.87	-	0		
P1458-01	3					50	9.42	7.36	2.06	8.76		
P1458-01	4					150	9.16	6.31	2.85	4.5		
P1458-01DUP	1	No	7.49	N/A	20.60	5	9.45	8.25	-	0	6.67	
P1458-01DUP	2					20	9.43	7.73	-	0		
P1458-01DUP	3					50	9.41	7.35	2.06	8.76		
P1458-01DUP	4					150	9.17	6.28	2.89	4.58		

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)

66129523

WorkList Name : BOD5-0214

WorkList ID : 177871

Department : Wet-Chemistry

Date : 02-14-2024 08:18:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1458-01	A1163	Water	BOD5	Cool 4 deg C	PSEG03	E21	02/12/2024	SM5210 B

Date/Time 02/14/2024 08:30
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC

Date/Time 02/14/2024 09:10
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC