

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 12/20/2024

QC BATCH ID: LB134052

BOD Water: WP111172

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111174

NaOH, 1N: WP108662

GGA: WP111173

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111005

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	9.6	19.00	9.4	9.4

Meter Calibration1: 9.41

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.48

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB134052

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.6

TIME IN: 16:50

TIME OUT: 14:00

DATE IN: 12/20/2024

DATE OUT: 12/25/2024

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
LB134052BL	1	No	6.57	N/A	20.60	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.43	6.43	3	0.6	0.57	
POLYSEED	2					15	9.41	5.16	4.25	0.57		
POLYSEED	3					20	9.37	4.06	5.31	0.53		
GGA	1					6	9.32	5.11	4.21	182	181.5	
GGA	2					6	9.32	5.08	4.24	183.5		
GGA	3					6	9.26	5.11	4.15	179		
P5356-01	1	No	6.66	N/A	20.10	5	9.43	8.11	-	0	6.68	
P5356-01	2					20	9.38	8.02	-	0		
P5356-01	3					50	9.29	7.19	2.1	9.18		
P5356-01	4					150	8.51	5.85	2.66	4.18		
P5356-01DUP	1	No	6.66	N/A	20.10	5	9.43	8.15	-	0	6.92	
P5356-01DUP	2					20	9.38	8.04	-	0		
P5356-01DUP	3					50	9.27	7.11	2.16	9.54		
P5356-01DUP	4					150	8.53	5.81	2.72	4.3		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

LB134052

WorkList Name : bod5-12-20-

WorkList ID : 186516

Department : Wet-Chemistry

Date : 12-20-2024 08:21:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5356-01	STAND-PIPE	Water	BOD5	Cool 4 deg C	PSEG03	N13	12/19/2024	SM5210 B

Date/Time 12/20/2024 15:25
Raw Sample Received by: RM Lundy
Raw Sample Relinquished by: Muel

Date/Time 12/20/2024 16:30
Raw Sample Received by: RM Lundy
Raw Sample Relinquished by: RM Lundy