

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/25/2024

QC BATCH ID: LB133122

BOD Water: WP110411

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP110413

GGA: WP110412

Chlorine Strips: W2965

pH Strips: W3104

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110006

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.2	18.5	9.3	9.3

Meter Calibration1: 8.58

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

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.39

After Incubation

Meter Calibration2: 9.10

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

Barometric Pressure2: 776 mmHg

QC BATCH ID: LB133122

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 09:30

TIME OUT: 11:10

DATE IN: 10/25/2024

DATE OUT: 10/30/2024

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
LB133122BL	1	No	6.72	N/A	20.20	300	9.38	9.37	0.01	0.01	0.01	
POLYSEED	1					10	9.37	6.56	2.81	0.56	0.58	
POLYSEED	2					15	9.35	5.16	4.19	0.56		
POLYSEED	3					20	9.30	3.24	6.06	0.61		
GGA	1					6	9.35	5.21	4.14	178	181.67	
GGA	2					6	9.35	5.14	4.21	181.5		
GGA	3					6	9.29	5.00	4.29	185.5		
P4548-01	1	No	5.81	6.89	20.00	5	9.36	8.74	-	0		pH Adjusted
P4548-01	2					20	9.34	8.60	-	0		
P4548-01	3					50	9.32	8.59	-	0		
P4548-01	4					150	9.30	8.29	-	0		
P4548-01DUP	1	No	5.81	6.89	20.00	5	9.35	8.80	-	0		pH Adjusted
P4548-01DUP	2					20	9.34	8.69	-	0		
P4548-01DUP	3					50	9.31	8.50	-	0		
P4548-01DUP	4					150	9.29	8.20	-	0		
P4548-03	1	No	6.72	N/A	20.00	5	9.34	8.58	-	0	10.51	
P4548-03	2					20	9.32	7.37	-	0		
P4548-03	3					50	9.25	6.53	2.72	12.84		
P4548-03	4					150	9.14	4.47	4.67	8.18		
P4548-05	1	No	6.73	N/A	20.00	5	9.35	8.73	-	0	9.51	
P4548-05	2					20	9.33	8.03	-	0		
P4548-05	3					50	9.30	6.53	2.77	13.14		
P4548-05	4					150	9.27	5.75	3.52	5.88		
P4548-07	1	No	6.75	N/A	20.00	5	9.34	8.92	-	0	10.88	
P4548-07	2					20	9.32	7.62	-	0		
P4548-07	3					50	9.30	6.20	3.1	15.12		
P4548-07	4					150	8.94	5.04	3.9	6.64		

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)

LB133122

WorkList Name : BOD5-1024- WorkList ID : 184731 Department : Wet-Chemistry Date : 10-24-2024 10:02:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4548-01	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	K11	10/23/2024	SM5210 B
P4548-03	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	K11	10/23/2024	SM5210 B
P4548-05	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	K11	10/23/2024	SM5210 B
P4548-07	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	K11	10/23/2024	SM5210 B

Date/Time 10/25/2024 07:30
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RP/LOCJ

Date/Time 10/25/2024 09:20
Raw Sample Received by: RP/LOCJ
Raw Sample Relinquished by: RM CWC