



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB129252

Analysis Date: 01/25/2024

BOD Water: WP106278

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP106280

NaOH, 1N: WP103989

GGA: WP106279

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP106040

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: 8.87

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.88

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB129252

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 14:00

TIME OUT: 11:00

DATE IN: 01/25/2024

DATE OUT: 01/30/2024

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
LB129252BL	1	No	6.72	N/A	20.60	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.44	6.28	3.16	0.63	0.62	
POLYSEED	2					15	9.42	4.41	5.01	0.67		
POLYSEED	3					20	9.41	3.69	5.72	0.57		
GGA	1					6	9.42	4.94	4.48	193	205.33	
GGA	2					6	9.42	4.63	4.79	208.5		
GGA	3					6	9.40	4.49	4.91	214.5		
P1250-02	1	No	5.74	6.67	20.50	0.5	9.44	7.82	-	0	1278	pH Adjusted
P1250-02	2					1	9.40	4.52	4.88	1278		
P1250-02	3					2	9.30	0.35	-	0		
P1250-02	4					3	9.21	0.32	-	0		
P1250-02DUP	1	No	5.74	6.67	20.50	0.5	9.43	7.85	-	0	1230	pH Adjusted
P1250-02DUP	2					1	9.40	4.68	4.72	1230		
P1250-02DUP	3					2	9.33	0.35	-	0		
P1250-02DUP	4					3	9.18	0.29	-	0		
P1251-01	1	No	8.09	7.32	20.50	5	9.44	7.47	-	0	11.22	pH Adjusted
P1251-01	2					20	9.43	8.14	-	0		
P1251-01	3					50	9.41	6.04	3.37	16.5		
P1251-01	4					150	9.40	5.81	3.59	5.94		

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)

1612252

WorkList Name : bod5-01-25 WorkList ID : 177387 Department : Wet-Chemistry Date : 01-25-2024 08:12:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1250-02 4	COMP	Water	BOD5	Cool 4 deg C	ARAM01	D11	01/24/2024	SM5210 B
P1251-01 C	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	D11	01/24/2024	SM5210 B

Date/Time 01/25/2024 12:20
Raw Sample Received by: RM CMC
Raw Sample Relinquished by: JH CMC

Date/Time 01/25/2024 13:30
Raw Sample Received by: JH CMC
Raw Sample Relinquished by: RM CMC