

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/28/2024

QC BATCH ID: LB132189

BOD Water: WP109420

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP109422

GGA: WP109421

Chlorine Strips: W2965

pH Strips: W3121

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP109433

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.4	18.6	9.2	9.2

Meter Calibration1: 9.32

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.25

After Incubation

Meter Calibration2: 9.49

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB132189

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:00

TIME OUT: 13:00

DATE IN: 08/28/2024

DATE OUT: 09/02/2024

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
LB132189BL	1	No	6.74	N/A	20.60	300	9.24	9.22	0.02	0.02	0.02	
POLYSEED	1					10	9.21	6.50	2.71	0.54	0.52	
POLYSEED	2					15	9.17	5.28	3.89	0.52		
POLYSEED	3					20	9.13	4.02	5.11	0.51		
GGA	1					6	9.21	5.20	4.01	174.5	182.5	
GGA	2					6	9.16	4.99	4.17	182.5		
GGA	3					6	9.15	4.82	4.33	190.5		
P3736-01	1	No	7.93	7.31	20.70	0.5	9.18	6.96	2.22	1020	930	pH Adjusted
P3736-01	2					1	9.16	5.84	3.32	840		
P3736-01	3					2	9.09	0.90	-	0		
P3736-01	4					5	8.91	0.63	-	0		
P3736-01	5					10	8.54	0.35	-	0		
P3736-01DUP	1	No	7.93	7.31	20.70	0.5	9.17	7.02	2.15	978	988.5	pH Adjusted
P3736-01DUP	2					1	9.14	5.77	3.37	855		
P3736-01DUP	3					2	9.09	1.02	8.07	1132.5		
P3736-01DUP	4					5	8.88	0.70	-	0		
P3736-01DUP	5					10	8.52	0.32	-	0		
P3736-05	1	No	4.58	6.81	20.80	0.01	9.20	7.07	2.13	48300	25870	pH Adjusted
P3736-05	2					0.05	9.17	5.54	3.63	18660		
P3736-05	3					0.1	9.16	5.09	4.07	10650		
P3736-05	4					0.5	9.15	0.31	-	0		
P3736-05	5					1	9.12	0.25	-	0		

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.

26132189

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-8-28 WorkList ID : 183025 Department : Wet-Chemistry Date : 08-28-2024 07:50:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3736-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H11	08/26/2024	SM5210 B
P3736-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H11	08/26/2024	SM5210 B

Date/Time 08/28/2024 08:00
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: JPL CWC

Date/Time 08/28/2024 09:30
Raw Sample Received by: MLCWC
Raw Sample Relinquished by: RM CWC