

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 12/11/2024

QC BATCH ID: LB133882

BOD Water: WP111049

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111051

GGA: WP111050

Chlorine Strips: W3155

pH Strips: W3140

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

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	10.2	10.2	10.2
WINKLER 2	WINKLER 2	2	300	10.0	20.2	10.2	10.2

Meter Calibration1: 8.46

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

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 10.02

After Incubation

Meter Calibration2: 9.39

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB133882

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 09:40

TIME OUT: 08:30

DATE IN: 12/11/2024

DATE OUT: 12/16/2024

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
LB133882BL	1	No	6.59	N/A	20.60	300	10.01	9.99	0.02	0.02	0.02	
POLYSEED	1					10	9.98	7.02	2.96	0.59	0.61	
POLYSEED	2					15	9.92	5.32	4.6	0.61		
POLYSEED	3					20	9.90	3.67	6.23	0.62		
GGA	1					6	9.98	5.26	4.72	205.5	209	
GGA	2					6	9.96	5.15	4.81	210		
GGA	3					6	9.95	5.11	4.84	211.5		
P5220-03	1	No	10.63	7.18	20.40	5	9.99	7.38	2.61	120	56.86	pH Adjusted
P5220-03	2					20	9.97	6.94	3.03	36.3		
P5220-03	3					50	9.87	6.88	2.99	14.28		
P5220-03	4					150	9.36	0.33	-	0		
P5220-03DUP	1	No	10.63	7.18	20.40	5	9.98	7.50	2.48	112.2	54.82	pH Adjusted
P5220-03DUP	2					20	9.96	6.89	3.07	36.9		
P5220-03DUP	3					50	9.87	6.70	3.17	15.36		
P5220-03DUP	4					150	9.38	0.35	-	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.

WORKLIST(Hardcopy Internal Chain)

6133882

WorkList Name : bod5-12-24 WorkList ID : 186198 Department : Wet-Chemistry Date : 12-10-2024 17:15:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5220-03	GAS-AUD-1610-1611-1612	Water	BOD5	Cool 4 deg C	PSEG03	L41	12/09/2024	SM5210 B

Date/Time 12/11/2024 08:15
Raw Sample Received by: RMCWS
Raw Sample Relinquished by: RMCWS

Date/Time 12/11/2024 09:15
Raw Sample Received by: RMCWS
Raw Sample Relinquished by: RMCWS