

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/02/2024

QC BATCH ID: LB132711

BOD Water: WP110003

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110005

NaOH, 1N: WP108662

GGA: WP110004

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.6	19.00	9.4	9.4

Meter Calibration1: 9.48

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.30

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB132711

INCUBATOR TEMP IN(C): 19.7

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:35

TIME OUT: 10:30

DATE IN: 10/02/2024

DATE OUT: 10/07/2024

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
LB132711BL	1	No	6.76	N/A	20.00	300	9.48	9.47	0.01	0.01	0.01	
POLYSEED	1					10	9.46	7.13	2.33	0.47	0.52	
POLYSEED	2					15	9.44	5.79	3.65	0.49		
POLYSEED	3					20	9.42	3.48	5.94	0.59		
GGA	1					6	9.45	5.09	4.36	192	197.5	
GGA	2					6	9.45	5.00	4.45	196.5		
GGA	3					6	9.40	4.80	4.6	204		
P4235-02	1	No	12.07	7.44	20.10	5	9.46	8.92	-	0		pH Adjusted
P4235-02	2					20	9.45	8.50	-	0		
P4235-02	3					50	9.43	8.20	-	0		
P4235-02	4					150	9.40	8.12	-	0		
P4235-02DUP	1	No	12.07	7.44	20.10	5	9.46	8.88	-	0		pH Adjusted
P4235-02DUP	2					20	9.44	8.68	-	0		
P4235-02DUP	3					50	9.42	8.32	-	0		
P4235-02DUP	4					150	9.39	8.00	-	0		
P4253-01	1	No	7.87	7.29	20.00	2	9.46	8.71	-	0	25.06	pH Adjusted
P4253-01	2					10	9.42	7.67	-	0		
P4253-01	3					50	9.33	3.67	5.66	30.84		
P4253-01	4					100	8.62	1.67	6.95	19.29		
P4254-05	1	No	6.77	N/A	20.80	5	9.46	8.37	-	0	31.92	
P4254-05	2					20	9.41	6.57	2.84	34.8		
P4254-05	3					50	9.30	3.94	5.36	29.04		
P4254-05	4					150	7.95	0.33	-	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)

6132711

WorkList Name : BOD-024

WorkList ID : 184008

Department : Wet-Chemistry

Date : 10-01-2024 16:57:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4235-02	A1403	Water	BOD5	Cool 4 deg C	PSEG03	J51	09/30/2024	SM5210 B
P4253-01	1 Effluent Composite	Water	BOD5	Cool 4 deg C	M&MM01	H11	10/01/2024	SM5210 B
P4254-05	MH-147	Water	BOD5	Cool 4 deg C	PSEG03	J51	10/01/2024	SM5210 B

Date/Time 10/02/2024 07:30
Raw Sample Received by: RW Cw
Raw Sample Relinquished by: Pluel

Date/Time 10/02/2024 09:20
Raw Sample Received by: Pluel
Raw Sample Relinquished by: RW Cw