

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/09/2024

QC BATCH ID: LB132847

BOD Water: WP110109

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110111

NaOH, 1N: WP108662

GGA: WP110110

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	9.5	18.9	9.4	9.4

Meter Calibration1: 9.47

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.49

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB132847

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 13:40

TIME OUT: 11:10

DATE IN: 10/09/2024

DATE OUT: 10/14/2024

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
LB132847BL	1	No	6.79	N/A	20.40	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.42	6.31	3.11	0.62	0.5	
POLYSEED	2					15	9.40	6.00	3.4	0.45		
POLYSEED	3					20	9.37	5.02	4.35	0.43		
GGA	1					6	9.33	5.01	4.32	191	202.17	
GGA	2					6	9.32	4.72	4.6	205		
GGA	3					6	9.30	4.59	4.71	210.5		
P4337-01	1	No	6.53	N/A	20.80	5	9.33	8.32	-	0	27.23	
P4337-01	2					20	9.11	6.50	2.61	31.65		
P4337-01	3					50	8.61	4.31	4.3	22.8		
P4337-01	4					150	6.30	0.32	-	0		
P4337-01DUP	1	No	6.53	N/A	20.80	5	9.34	8.50	-	0	28.26	
P4337-01DUP	2					20	9.10	6.32	2.78	34.2		
P4337-01DUP	3					50	8.60	4.38	4.22	22.32		
P4337-01DUP	4					150	6.27	0.50	-	0		
P4337-02	1	No	6.54	N/A	20.80	5	9.18	7.75	-	0	22.98	
P4337-02	2					20	9.08	7.58	-	0		
P4337-02	3					50	8.52	4.19	4.33	22.98		
P4337-02	4					150	6.21	0.34	-	0		
P4342-01	1	No	7.74	7.21	20.30	5	9.13	7.57	-	0	14.34	pH Adjusted
P4342-01	2					20	8.94	6.45	2.49	29.85		
P4342-01	3					50	8.65	6.60	2.05	9.3		
P4342-01	4					150	6.23	3.80	2.43	3.86		

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)

6b132847

WorkList Name : bod5-10-8

WorkList ID : 184260

Department : Wet-Chemistry

Date : 10-08-2024 15:24:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4337-01 E	001-WILLETTS-PT-BLVD(OCT)	Water	BOD5	Cool 4 deg C	TULL01	K11	10/04/2024	SM5210 B
P4337-02 E	002-35TH-AVE(OCT)	Water	BOD5	Cool 4 deg C	TULL01	K11	10/04/2024	SM5210 B
P4342-01 M	PORT-ELIZABETH-1201	Water	BOD5	Cool 4 deg C	PSEG03	K13	10/07/2024	SM5210 B

Date/Time 10/09/2024 10:35
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JPLCOC

Date/Time 10/09/2024 13:30
 Raw Sample Received by: JPLCOC
 Raw Sample Relinquished by: JPLCOC