

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/09/2024

QC BATCH ID: LB131930

BOD Water: WP109123

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109125

NaOH, 1N: WP108662

GGA: WP109124

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3121

Zero DO: WP108811

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: 8.99

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.49

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB131930

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:00

TIME OUT: 11:30

DATE IN: 08/09/2024

DATE OUT: 08/14/2024

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
LB131930BL	1	No	6.68	N/A	20.40	300	9.45	9.43	0.02	0.02	0.02	
POLYSEED	1					10	9.43	6.38	3.05	0.61	0.53	
POLYSEED	2					15	9.33	5.78	3.55	0.47		
POLYSEED	3					20	9.28	4.20	5.08	0.51		
GGA	1					6	9.43	5.30	4.13	180	187	
GGA	2					6	9.41	5.11	4.3	188.5		
GGA	3					6	9.41	5.03	4.38	192.5		
P3536-04	1	No	7.89	7.32	20.60	5	9.43	8.70	-	0		pH Adjusted
P3536-04	2					20	9.40	8.52	-	0		
P3536-04	3					50	9.23	8.37	-	0		
P3536-04	4					150	9.15	7.31	-	0		
P3536-04DUP	1	No	7.89	7.32	20.60	5	9.43	8.61	-	0		pH Adjusted
P3536-04DUP	2					20	9.37	8.48	-	0		
P3536-04DUP	3					50	9.20	8.24	-	0		
P3536-04DUP	4					150	9.17	7.34	-	0		
P3546-01	1	No	6.55	N/A	20.70	5	9.35	8.20	-	0	22.02	
P3546-01	2					20	9.16	7.91	-	0		
P3546-01	3					50	8.67	4.47	4.2	22.02		
P3546-01	4					150	5.46	0.46	-	0		
P3546-02	1	No	6.55	N/A	20.60	5	9.28	7.90	-	0	20.64	
P3546-02	2					20	9.17	7.34	-	0		
P3546-02	3					50	8.21	4.24	3.97	20.64		
P3546-02	4					150	6.80	0.63	-	0		

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)

LB131930

WorkList Name : bod5-8-9-

WorkList ID : 182479

Department : Wet-Chemistry

Date : 08-09-2024 07:50:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3536-04	MANHOLE	Water	BOD5	Cool 4 deg C	SPEC01	D21	08/08/2024	SM5210 B
P3546-01	001-WILLETS-PT-BLVD	Water	BOD5	Cool 4 deg C	TULL01	D21	08/08/2024	SM5210 B
P3546-02	002-35TH-AVE	Water	BOD5	Cool 4 deg C	TULL01	D21	08/08/2024	SM5210 B

Date/Time 08/09/2024 14:30
Raw Sample Received by: RM CWG
Raw Sample Relinquished by: RM CWG

Date/Time 08/09/2024 16:30
Raw Sample Received by: RM CWG
Raw Sample Relinquished by: RM CWG