

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/12/2024

QC BATCH ID: LB132404

BOD Water: WP109680

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109682

NaOH, 1N: WP108662

GGA: WP109681

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3121

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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.5	18.9	9.4	9.4

Meter Calibration1: 8.90

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

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

After Incubation

Meter Calibration2: 9.24

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132404

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:10

TIME OUT: 12:00

DATE IN: 09/12/2024

DATE OUT: 09/17/2024

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
LB132404BL	1	No	6.78	N/A	20.70	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.43	6.34	3.09	0.62	0.58	
POLYSEED	2					15	9.39	5.30	4.09	0.55		
POLYSEED	3					20	9.32	3.54	5.78	0.58		
GGA	1					6	9.45	5.27	4.18	180	188.67	
GGA	2					6	9.45	5.04	4.41	191.5		
GGA	3					6	9.41	4.94	4.47	194.5		
P3848-03	1	No	2.71	6.67	20.40	1	9.46	8.56	-	0	89.4	pH Adjusted
P3848-03	2					5	9.45	7.98	-	0		
P3848-03	3					20	9.40	2.86	6.54	89.4		
P3848-03	4					50	9.20	0.50	-	0		
P3848-03	5					100	9.18	0.27	-	0		
P3937-02	1	No	9.36	7.42	20.00	0.5	9.45	7.08	2.37	1074	673.88	pH Adjusted
P3937-02	2					1	9.42	7.00	2.42	552		
P3937-02	3					2	9.34	5.35	3.99	511.5		
P3937-02	4					3	9.30	3.14	6.16	558		
P3937-02DUP	1	No	9.36	7.42	20.00	0.5	9.44	7.28	2.16	948	666.13	pH Adjusted
P3937-02DUP	2					1	9.42	6.78	2.64	618		
P3937-02DUP	3					2	9.31	5.20	4.11	529.5		
P3937-02DUP	4					3	9.28	3.01	6.27	569		
P3977-01	1	No	7.33	N/A	20.30	0.05	9.39	8.41	-	0	3104	
P3977-01	2					0.1	9.29	7.25	2.04	4380		
P3977-01	3					0.2	9.26	7.16	2.1	2280		
P3977-01	4					0.5	9.16	4.16	5	2652		
P3977-01	5					1	8.71	0.24	-	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)

6132404

WorkList Name : bod-9-12

WorkList ID : 183406

Department : Wet-Chemistry

Date : 09-12-2024 08:27:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3848-03	PT-DEM-WP	Water	BOD5	Cool 4 deg C	CHEM02	QA Of	09/03/2024	SM5210 B
P3937-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	I51	09/11/2024	SM5210 B
P3977-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	H53	09/12/2024	SM5210 B

Date/Time 09/12/2024 1530
Raw Sample Received by: RM cwc
Raw Sample Relinquished by: [Signature]

Date/Time 09/12/2024 1645
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RM cwc