

CBOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/12/2024

QC BATCH ID: LB132394

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

Nitrification Inhibitor: W3064

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: LB132394

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
LB132394BL	1	No	6.78	N/A	20.70	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.43	6.31	3.12	0.62	0.58	
POLYSEED	2					15	9.40	5.42	3.98	0.53		
POLYSEED	3					20	9.36	3.60	5.76	0.58		
GGA	1					6	9.44	5.22	4.22	182	187.67	
GGA	2					6	9.42	5.00	4.42	192		
GGA	3					6	9.34	4.98	4.36	189		
P3848-03	1	No	2.71	6.67	20.40	1	9.40	7.98	-	0	86.78	pH Adjusted
P3848-03	2					5	9.29	6.96	2.33	105		
P3848-03	3					20	9.24	1.14	8.1	112.8		
P3848-03	4					50	8.94	1.27	7.67	42.54		
P3848-03	5					100	8.90	0.40	-	0		
P3848-03DUP	1	No	2.71	6.67	20.40	1	9.39	7.94	-	0	85.24	pH Adjusted
P3848-03DUP	2					5	9.26	7.05	2.21	97.8		
P3848-03DUP	3					20	9.24	1.06	8.18	114		
P3848-03DUP	4					50	8.90	1.00	7.9	43.92		
P3848-03DUP	5					100	8.91	0.45	-	0		
P3940-01	1	No	7.33	N/A	20.00	5	9.47	8.49	-	0		
P3940-01	2					20	9.46	8.35	-	0		
P3940-01	3					50	9.45	7.98	-	0		
P3940-01	4					150	9.44	7.60	-	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)

6132394

WorkList Name : cbod5-9-12

WorkList ID : 183422

Department : Wet-Chemistry

Date : 09-12-2024 09:52:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3848-03	PT-DEM-WP	Water	CBOD5	Cool 4 deg C	CHEM02	QA 01	09/03/2024	SM5210 B
P3940-01	AST-2024-4036-PRIM	Water	CBOD5	Cool 4 deg C	WIND03	H53	08/29/2024	SM5210 B

Date/Time 09/12/2024 15.30
Raw Sample Received by: RMCWS
Raw Sample Relinquished by: JH CWC

Date/Time 09/12/2024 16.45
Raw Sample Received by: JH CWC
Raw Sample Relinquished by: RMCWS