

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/28/2024

QC BATCH ID: LB133679

BOD Water: WP110900

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110902

NaOH, 1N: WP108662

GGA: WP110901

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3140

Zero DO: WP110595

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.9	8.9	8.9
WINKLER 2	WINKLER 2	2	300	8.6	17.5	8.9	8.9

Meter Calibration1: 8.68

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 8.95

After Incubation

Meter Calibration2: 9.89

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 776 mmHg

QC BATCH ID: LB133679

INCUBATOR TEMP IN(C): 2.03

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 09:30

TIME OUT: 11:30

DATE IN: 11/28/2024

DATE OUT: 12/03/2024

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
LB133679BL	1	No	6.69	N/A	20.20	300	8.94	8.92	0.02	0.02	0.02	
POLYSEED	1					10	8.91	5.55	3.36	0.67	0.65	
POLYSEED	2					15	8.88	3.82	5.06	0.67		
POLYSEED	3					20	8.86	2.79	6.07	0.61		
GGA	1					6	8.92	4.89	4.03	169	176.5	
GGA	2					6	8.90	4.70	4.2	177.5		
GGA	3					6	8.90	4.59	4.31	183		
P5020-02	1	No	6.66	N/A	20.20	0.5	8.70	6.63	2.07	852	936	
P5020-02	2					1	8.69	4.64	4.05	1020		
P5020-02	3					2	8.65	0.41	-	0		
P5020-02	4					3	8.60	0.39	-	0		
P5044-01	1	No	6.44	6.97	20.10	1	8.80	7.73	-	0	51.9	pH Adjusted
P5044-01	2					2	8.79	7.46	-	0		
P5044-01	3					5	8.76	7.26	-	0		
P5044-01	4					10	8.72	6.34	2.38	51.9		
P5044-02	1	No	6.80	N/A	20.80	1	8.86	6.28	2.58	579	579	
P5044-02	2					2	8.84	0.59	-	0		
P5044-02	3					5	8.83	0.39	-	0		
P5044-02	4					10	8.81	0.34	-	0		
P5044-02DUP	1	No	6.80	N/A	20.80	1	8.87	6.39	2.48	549	549	
P5044-02DUP	2					2	8.85	0.50	-	0		
P5044-02DUP	3					5	8.83	0.34	-	0		
P5044-02DUP	4					10	8.81	0.32	-	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)

LB133679

WorkList Name : BOD-11-28

WorkList ID : 185890

Department : Wet-Chemistry

Date : 11-28-2024 07:50:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5020-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	M11	11/27/2024	SM5210 B
P5044-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	L41	11/27/2024	SM5210 B
P5044-02	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	L41	11/27/2024	SM5210 B

Date/Time 11/28/2024 07:55
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 11/28/2024 09:40
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]