

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 10/23/2024

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110006

QC BATCH ID: LB133080

BOD Water: WP110376

Starch: W3149

Sulfuric acid, 1N: WP108475

POLYSEED: WP110378

GGA: WP110377

Chlorine Strips: W2965

pH Strips: W3104

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	9.2	18.6	9.4	9.4

Meter Calibration1: 9.07 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.35 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 781 mmHg



QC BATCH ID: LB133080

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:40

TIME OUT: 13:00

DATE IN: 10/23/2024

DATE OUT: 10/28/2024

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
LB133080BL	1	No	6.72	N/A	20.30	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.45	7.40	2.05	0.41	0.5	
POLYSEED	2					15	9.42	5.28	4.14	0.55		
POLYSEED	3					20	9.40	4.01	5.39	0.54		
GGA	1					6	9.45	5.20	4.25	187.5	191.67	
GGA	2					6	9.45	5.11	4.34	192		
GGA	3					6	9.43	5.02	4.41	195.5		
P4490-01	1	No	8.46	7.19	20.00	0.5	9.43	6.53	2.9	1440	1522.5	pH Adjusted
P4490-01	2					1	9.38	3.53	5.85	1605		
P4490-01	3					2	9.25	0.67	-	0		
P4490-01	4					5	8.89	0.45	-	0		
P4490-01	5					10	7.99	0.42	-	0		
P4490-01DUP	1	No	8.46	7.19	20.00	0.5	9.44	6.28	3.16	1596	1620	pH Adjusted
P4490-01DUP	2					1	9.38	3.40	5.98	1644		
P4490-01DUP	3					2	9.24	0.52	-	0		
P4490-01DUP	4					5	8.86	0.49	-	0		
P4490-01DUP	5					10	8.01	0.40	-	0		
P4490-05	1	No	4.61	6.98	20.00	0.01	9.44	8.86	-	0	10050	pH Adjusted
P4490-05	2					0.05	9.38	7.71	-	0		
P4490-05	3					0.1	9.30	5.45	3.85	10050		
P4490-05	4					0.5	9.24	0.49	-	0		
P4490-05	5					1	8.77	0.42	-	0		
P4491-02	1	No	6.45	6.92	20.00	0.5	9.45	8.61	-	0	530.83	pH Adjusted
P4491-02	2					1	9.41	6.57	2.84	702		
P4491-02	3					2	9.28	6.23	3.05	382.5		
P4491-02	4					3	9.21	3.63	5.58	508		

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)

LB133080

WorkList Name : BOD5-10-23

WorkList ID : 184714

Department : Wet-Chemistry

Date : 10-23-2024 12:22:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4490-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K11	10/22/2024	SM5210 B
P4490-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K11	10/22/2024	SM5210 B
P4491-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	10/23/2024	SM5210 B

Date/Time 10/23/2024 15:35
 Raw Sample Received by: RM cwc
 Raw Sample Relinquished by: R Lee DC

Date/Time 10/23/2024 17:00
 Raw Sample Received by: RM cwc
 Raw Sample Relinquished by: R Lee DC