

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/20/2024

QC BATCH ID: LB132536

BOD Water: WP109829

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109831

NaOH, 1N: WP108662

GGA: WP109830

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

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	8.5	8.5	8.5
WINKLER 2	WINKLER 2	2	300	8.6	17.1	8.5	8.5

Meter Calibration1: 8.65 Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 8.59

After Incubation

Meter Calibration2: 9.12 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132536

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:00

TIME OUT: 10:40

DATE IN: 09/20/2024

DATE OUT: 09/25/2024

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
LB132536BL	1	No	6.81	N/A	20.70	300	8.58	8.57	0.01	0.01	0.01	
POLYSEED	1					10	8.53	6.02	2.51	0.5	0.53	
POLYSEED	2					15	8.49	4.22	4.27	0.57		
POLYSEED	3					20	8.48	3.22	5.26	0.53		
GGA	1					6	8.57	4.84	3.73	160	168.83	
GGA	2					6	8.56	4.70	3.86	166.5		
GGA	3					6	8.57	4.44	4.13	180		
P4147-01	1	No	8.47	7.18	20.30	0.5	8.53	6.54	-	0	873	pH Adjusted
P4147-01	2					1	8.47	5.29	3.18	795		
P4147-01	3					2	8.29	1.42	6.87	951		
P4147-01	4					5	7.93	0.51	-	0		
P4147-01	5					10	7.22	0.44	-	0		
P4147-05	1	No	4.56	6.92	20.10	0.01	8.56	7.82	-	0	14970	pH Adjusted
P4147-05	2					0.05	8.54	5.05	3.49	17760		
P4147-05	3					0.1	8.52	3.93	4.59	12180		
P4147-05	4					0.5	8.09	0.56	-	0		
P4147-05	5					1	7.65	0.36	-	0		
P4147-05DUP	1	No	4.56	6.92	20.10	0.01	8.56	7.59	-	0	14340	pH Adjusted
P4147-05DUP	2					0.05	8.54	5.22	3.32	16740		
P4147-05DUP	3					0.1	8.51	4.00	4.51	11940		
P4147-05DUP	4					0.5	8.11	0.66	-	0		
P4147-05DUP	5					1	7.66	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.