

CBOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/24/2024

QC BATCH ID: LB130468

BOD Water: WP107635

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP107637

GGA: WP107636

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W2913

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP107046

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	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.61

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.42

After Incubation

Meter Calibration2: 8.97

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB130468

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 08:20

TIME OUT: 08:35

DATE IN: 04/24/2024

DATE OUT: 04/29/2024

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
LB130468BL	1	No	6.7	N/A	20.00	300	9.42	9.40	0.02	0.02	0.02	
POLYSEED	1					10	9.39	5.30	4.09	0.82	0.72	
POLYSEED	2					15	9.38	4.10	5.28	0.7		
POLYSEED	3					20	9.37	2.88	6.49	0.65		
GGA	1					6	9.27	5.20	4.07	167.5	176	
GGA	2					6	9.24	5.02	4.22	175		
GGA	3					6	9.24	4.81	4.43	185.5		
P2226-01	1	No	11.52	6.58	20.10	5	9.14	8.20	-	0	37.17	pH Adjusted
P2226-01	2					20	8.60	5.30	3.3	38.7		
P2226-01	3					50	7.91	1.25	6.66	35.64		
P2226-01	4					150	4.83	0.44	-	0		
P2226-01DUP	1	No	11.52	6.58	20.10	5	9.12	8.17	-	0	35.41	pH Adjusted
P2226-01DUP	2					20	8.59	5.56	3.03	34.65		
P2226-01DUP	3					50	7.89	1.14	6.75	36.18		
P2226-01DUP	4					150	4.85	0.36	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.