

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: mohammad

Analysis Date: 05/18/2022

QC BATCH ID: LB120238

BOD Water: WP96847

Starch: W2766

Sulfuric acid, 1N: WP94324

POLYSEED: WP96849

GGA: WP96848

Chlorine Strips: W2011

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: W2843

NaOH, 1N: WP94570

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP96459

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	8.95
WINKLER 2	WINKLER 2	2	300	8.9	17.9	9	8.95

Meter Calibration1: 8.80

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.90

After Incubation

Meter Calibration2: 8.49

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.10 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.70



QC BATCH ID: LB120238

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 15:35

TIME OUT: 11:30

DATE IN: 05/18/2022

DATE OUT: 05/23/2022

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
LB120238BL	1	No	6.4	N/A	21.20	300	8.88	8.78	0.1	0.1	0.1	
POLYSEED	1					10	8.81	3.20	5.61	1.12	0.86	
POLYSEED	2					15	8.78	2.62	6.16	0.82		
POLYSEED	3					20	8.74	2.34	6.4	0.64		
GGA	1					6	8.70	3.97	4.73	193.5	223.33	
GGA	2					6	8.78	2.92	5.86	250		
GGA	3					6	8.74	3.35	5.39	226.5		
N2903-01	1	No	7.2	N/A	20.40	0.5	8.80	7.59	-	0	203.5	
N2903-01	2					1	8.78	7.30	-	0		
N2903-01	3					2	8.77	6.23	2.54	252		
N2903-01	4					5	8.73	4.83	3.9	182.4		
N2903-01	5					10	8.66	1.93	6.73	176.1		
N2903-01DUP	1	No	7.2	N/A	20.40	0.5	8.82	7.60	-	0	202.9	
N2903-01DUP	2					1	8.80	7.32	-	0		
N2903-01DUP	3					2	8.78	6.25	2.53	250.5		
N2903-01DUP	4					5	8.75	4.85	3.9	182.4		
N2903-01DUP	5					10	8.67	1.95	6.72	175.8		
N2903-05	1	No	4.45	7.20	20.30	0.01	8.77	6.65	2.12	37800	19920	pH Adjusted
N2903-05	2					0.05	8.75	6.18	2.57	10260		
N2903-05	3					0.1	8.74	3.98	4.76	11700		
N2903-05	4					0.5	8.72	0.26	-	0		
N2903-05	5					1	8.70	0.23	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB 120238

WorkList Name : bod51822 WorkList ID : 159738 Department : Wet-Chemistry Date : 05-18-2022 14:14:23

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/19/2022	Water	N2903-01	C BOD5	Cool 4 deg C	HOLL01	L11	EFFLUENT	05/17/2022	SM5210 B
05/19/2022	Water	N2903-05	B BOD5	Cool 4 deg C	HOLL01	L11	INFLUENT	05/17/2022	SM5210 B

Date/Time 05/18/22 14:30
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: [Signature]

Date/Time 05/18/22 15:35
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]