

BOD 7 LOG

ANALYST: ketankumar

SUPERVISOR: apatel

Analysis Date: 08/10/2021

QC BATCH ID: LB115778

BOD Water: WP92463

Starch: W2703

Sulfuric acid, 1N: WP88863

POLYSEED: WP92466

GGA: WP92464

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: W2843

NaOH, 1N: WP91991

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP92454

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.6	8.6	8.6
WINKLER 2	WINKLER 2	2	300	8.6	17.2	8.6	8.6

Meter Calibration1: 8.43

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.31

After Incubation

Meter Calibration2: 8.40

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 7.49



QC BATCH ID: LB115778

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:30

TIME OUT: 11:30

DATE IN: 08/10/2021

DATE OUT: 08/17/2021

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
LB115778BL	1	No	6.0	N/A	21.20	300	8.23	7.43	0.8	0.8	0.8	
POLYSEED	1					10	8.15	3.11	5.04	1.01	0.94	
POLYSEED	2					15	8.06	1.50	6.56	0.87		
POLYSEED	3					20	8.01	0.15	-	0		
GGA	1					6	7.93	1.70	6.23	264.5	220.17	
GGA	2					6	7.87	2.99	4.88	197		
GGA	3					6	7.83	2.91	4.92	199		
M3330-05	1	No	6.41	N/A	18.20	0.5	7.85	5.69	2.16	732	786	
M3330-05	2					1	7.77	4.03	3.74	840		
M3330-05	3					2	7.73	0.12	-	0		
M3330-05	4					5	7.66	0.06	-	0		
M3330-05DUP	1	No	6.41	N/A	18.20	0.5	7.83	5.67	2.16	732	786	
M3330-05DUP	2					1	7.75	4.01	3.74	840		
M3330-05DUP	3					2	7.71	0.10	-	0		
M3330-05DUP	4					5	7.63	0.05	-	0		
M3354-05	1	No	6.40	N/A	17.20	0.5	7.64	5.91	-	0	1097.25	
M3354-05	2					1	7.54	1.88	5.66	1416		
M3354-05	3					2	7.50	1.37	6.13	778.5		
M3354-05	4					5	7.47	0.14	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB 115778

WorkList Name : BOD781021 WorkList ID : 151302 Department : Wet-Chemistry Date : 08-10-2021 14:54:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/11/2021	Water	M3330-05	BOD_7	1:1 HNO3 to p	AMER08	D11	BOD	08/09/2021	SM5210 B
08/12/2021	Water	M3354-05	BOD_7	Cool 4 deg C	AMER08	D11	BOD	08/10/2021	SM5210 B

Date/Time 08/10/21 16:50
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: KS (WC)

Date/Time 08/10/21 17:30
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: KS (WC)