

**BOD5 LOG****ANALYST:** Alexander**SUPERVISOR:** apatel**Analysis Date:** 04/07/2021**QC BATCH ID:** LB113868**BOD Water:** WP90380**Starch:** W2703**Sulfuric acid, 1N:** WP88863**POLYSEED:** WP90382**GGA:** WP90383**Chlorine Strips:** W2543**pH Strips:** W2716**MANGANOUS SULFATE SOLUTION:** W2767**Alkaline Iodide Azide:** W2742**Sodium Thiosulfate, 0.025N:** WP90315**NaOH, 1N:** WP89214**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP90097

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.0	9	8.85
WINKLER 2	WINKLER 2	2	300	9.0	17.7	8.7	8.85

Meter Calibration1: 8.80

Barometric Pressure1: 765 mmHg

Zero DO Reading1: 0.07 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.93

After Incubation

Meter Calibration2: 8.80

Barometric Pressure2: 760 mmHg

Zero DO Reading2: 0.07 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.86



QC BATCH ID: LB113868

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:20

TIME OUT: 17:00

DATE IN: 04/07/2021

DATE OUT: 04/12/2021

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
LB113868BL	1	No	6.0	N/A	21.20	300	8.92	8.80	0.12	0.12	0.12	
POLYSEED	1					10	8.86	4.26	4.6	0.92	0.79	
POLYSEED	2					15	8.81	3.61	5.2	0.69		
POLYSEED	3					20	8.79	1.20	7.59	0.76		
GGA	1					6	8.80	4.28	4.52	186.5	178.83	
GGA	2					6	8.78	4.93	3.85	153		
GGA	3					6	8.77	4.04	4.73	197		
M1962-02	1	No	8.0	N/A	20.20	2	8.88	8.44	-	0	28.56	
M1962-02	2					10	8.82	7.42	-	0		
M1962-02	3					20	8.87	6.42	2.45	24.9		
M1962-02	4					50	8.56	2.40	6.16	32.22		
M1962-02DUP	1	No	8.0	N/A	20.20	2	8.86	8.48	-	0	27.95	
M1962-02DUP	2					10	8.81	7.55	-	0		
M1962-02DUP	3					20	8.80	6.48	2.32	22.95		
M1962-02DUP	4					50	8.59	2.31	6.28	32.94		
M1976-02	1	No	6.0	N/A	19.50	0.5	8.90	7.94	-	0	264	
M1976-02	2					1	8.87	7.77	-	0		
M1976-02	3					2	8.84	6.49	2.35	234		
M1976-02	4					3	8.81	5.08	3.73	294		

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

LB113868
WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD-40221-2 WorkList ID : 147687 Department : Wet-Chemistry Date : 04-02-2021 08:53:11

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/09/2021	Water	M1976-02 B	BOD5	Cool 4 deg C	ARAM01	O13	COMP	04/07/2021	SM5210 B
04/08/2021	Water	M1962-02 C	BOD5	Cool 4 deg C	M&MM01	Air Lab	FE-19C	04/06/2021	SM5210 B

Date/Time 04/07/2021 16:20
Raw Sample Received by: AN (wet-chem)
Raw Sample Relinquished by: KS (wet-chem)

Date/Time 04/07/2021 17:25
Raw Sample Received by: KS (wet-chem)
Raw Sample Relinquished by: AM (wet-chem)