

**BOD5 LOG****ANALYST:** Alexander**SUPERVISOR:** apatel**Analysis Date:** 02/11/2021**QC BATCH ID:** LB113105**BOD Water:** WP89475**Starch:** W2703**Sulfuric acid, 1N:** W2609**POLYSEED:** WP89476**GGA:** WP89477**Chlorine Strips:** W2543**pH Strips:** W2716**MANGANOUS SULFATE SOLUTION:** W2767**Alkaline Iodide Azide:** W2742**Sodium Thiosulfate, 0.025N:** WP88904**NaOH, 0.25N:** WP89214**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP89399

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	8.9
WINKLER 2	WINKLER 2	2	300	9.0	17.8	8.8	8.9

Meter Calibration1: 8.84

Barometric Pressure1: 760 mmHg

Zero DO Reading1: 0.05 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.82

After Incubation

Meter Calibration2: 8.72

Barometric Pressure2: 755 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.77



QC BATCH ID: LB113105

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:30

TIME OUT: 12:35

DATE IN: 02/11/2021

DATE OUT: 02/16/2021

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
LB113105BL	1	No	6.0	N/A	20.70	300	8.82	8.77	0.05	0.05	0.05	
POLYSEED	1					10	8.80	4.65	4.15	0.83	0.79	
POLYSEED	2					15	8.75	2.91	5.84	0.78		
POLYSEED	3					20	8.72	1.11	7.61	0.76		
GGA	1					6	8.78	4.17	4.61	191	185.17	
GGA	2					6	8.77	4.47	4.3	175.5		
GGA	3					6	8.78	4.21	4.57	189		
M1365-02	1	No	6.4	N/A	21.00	0.5	8.80	5.25	3.55	1656	1455	
M1365-02	2					1	8.78	3.81	4.97	1254		
M1365-02	3					2	8.75	0.15	-	0		
M1365-02	4					3	8.70	0.09	-	0		
M1365-02DUP	1	No	6.4	N/A	21.00	0.5	8.79	5.19	3.6	1686	1456.5	
M1365-02DUP	2					1	8.78	3.90	4.88	1227		
M1365-02DUP	3					2	8.74	0.15	-	0		
M1365-02DUP	4					3	8.71	0.09	-	0		
M1387-01	1	No	9.2	7.2	21.10	0.5	8.78	6.64	2.14	810	728.25	pH Adjusted
M1387-01	2					2	8.75	3.65	5.1	646.5		
M1387-01	3					5	8.74	0.45	-	0		
M1387-01	4					20	8.42	0.21	-	0		
M1387-01	5					50	7.91	0.10	-	0		
M1392-01	1	No	6.4	N/A	21.10	0.1	8.80	7.78	-	0	540	
M1392-01	2					0.5	8.79	6.98	-	0		
M1392-01	3					2	8.78	4.39	4.39	540		
M1392-01	4					5	8.76	0.16	-	0		
M1392-01	5					20	8.74	0.12	-	0		
M1399-02	1	No	8.2	7.2	18.30	0.5	8.80	6.15	2.65	1116	1018.5	pH Adjusted
M1399-02	2					1	8.78	4.92	3.86	921		
M1399-02	3					5	8.75	0.21	-	0		
M1399-02	4					20	8.67	0.15	-	0		

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

LB113105

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-21121

WorkList ID : 146312

Department : Wet-Chemistry

Date : 02-11-2021 12:46:05

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
02/12/2021	Water	M1365-02A	BOD5	Cool 4 deg C	ARAM01	G31	COMP	02/10/2021	SM5210 B
02/13/2021	Water	M1387-01	BOD5	Cool 4 deg C	PHAR02	G51	15220012-1	02/11/2021	SM5210 B
02/13/2021	Water	M1392-01B	BOD5	Cool 4 deg C	PHAR02	G52	32220008-3	02/11/2021	SM5210 B
02/13/2021	Water	M1399-02B	BOD5	Cool 4 deg C	ARDM01	G41	EFF-VWV	02/11/2021	SM5210 B

Date/Time 2/11/2021 16:20

Received by: AM (wetchem)

Relinquished by: KS (wetchem)

Date/Time 2/11/2021 17:40

Received by: KS (wetchem)

Relinquished by: AM (wetchem)