

**BOD5 LOG****ANALYST:** Alexander**SUPERVISOR:** apatel**Analysis Date:** 02/17/2021**QC BATCH ID:** LB113181**BOD Water:** WP89536**Starch:** W2703**Sulfuric acid, 1N:** W2609**POLYSEED:** WP89538**GGA:** WP89537**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	8.7	8.7	8.6
WINKLER 2	WINKLER 2	2	300	8.7	17.2	8.5	8.6

Meter Calibration1: 8.79

Barometric Pressure1: 771 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.49

After Incubation

Meter Calibration2: 8.77

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.06 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.46



QC BATCH ID: LB113181

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 18:30

TIME OUT: 12:40

DATE IN: 02/17/2021

DATE OUT: 02/22/2021

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
LB113181BL	1	No	6.0	N/A	20.80	300	8.48	8.42	0.06	0.06	0.06	
POLYSEED	1					10	8.36	5.12	3.24	0.65	0.66	
POLYSEED	2					15	8.31	3.74	4.57	0.61		
POLYSEED	3					20	8.38	1.21	7.17	0.72		
GGA	1					6	8.38	3.84	4.54	194	195.17	
GGA	2					6	8.38	4.09	4.29	181.5		
GGA	3					6	8.38	3.52	4.86	210		
M1445-02	1	No	6.4	N/A	19.50	0.5	8.47	6.94	-	0	788.25	
M1445-02	2					1	8.42	5.00	3.42	828		
M1445-02	3					2	8.41	2.76	5.65	748.5		
M1445-02	4					3	8.40	0.11	-	0		
M1445-02DUP	1	No	6.0	N/A	18.80	0.5	8.47	6.98	-	0	794.25	
M1445-02DUP	2					1	8.44	5.02	3.42	828		
M1445-02DUP	3					2	8.43	2.70	5.73	760.5		
M1445-02DUP	4					3	8.41	0.12	-	0		
M1447-01	1	No	6.0	N/A	18.80	1	8.47	6.42	2.05	417	378	
M1447-01	2					5	8.47	2.16	6.31	339		
M1447-01	3					20	8.41	0.12	-	0		
M1447-01	4					50	8.36	0.10	-	0		
M1447-02	1	No	6.0	N/A	18.80	1	8.47	2.13	6.34	1704	1704	
M1447-02	2					5	8.45	0.12	-	0		
M1447-02	3					20	8.43	0.11	-	0		
M1447-02	4					50	8.42	0.08	-	0		

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

LB113181

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD-21721 WorkList ID : 146458 Department : Wet-Chemistry Date : 02-17-2021 09:01:28

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
02/19/2021	Water	M1445-02 A	BOD5	Cool 4 deg C	ARAM01	M62	COMP	02/17/2021	SM5210 B
02/19/2021	Water	M1447-01 A	BOD5	Cool 4 deg C	TRIS02	H11	DSN-001-SEWER-OUTFALL-I	02/17/2021	SM5210 B
02/19/2021	Water	M1447-02 A	BOD5	Cool 4 deg C	TRIS02	H11	DSN-002-SEWER-OUTFALL-I	02/17/2021	SM5210 B

Date/Time 02/17/2021 17:25 Date/Time 02/17/2021 18:30
Received by: AMC wet-chem Received by: KS (Welch)
Relinquished by: KS (Welch) Relinquished by: AMC wet-chem