

**BOD5 LOG****ANALYST:** Alexander**SUPERVISOR:** apatel**Analysis Date:** 04/09/2021**QC BATCH ID:** LB113919**BOD Water:** WP90460**MANGANOUS SULFATE SOLUTION:** W2767**Starch:** W2703**Alkaline Iodide Azide:** W2742**Sulfuric acid, 1N:** WP88863**Sodium Thiosulfate, 0.025N:** WP90315**POLYSEED:** WP90463**NaOH, 1N:** WP89214**GGA:** WP90461**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2543**GuageID:** 0511064**pH Strips:** W2716**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	8.8	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.8	17.6	8.8	8.8

Meter Calibration1: 8.92Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)Barometric Pressure1: 760 mmHgWinkler titrated BOD fluid DO reading1: 8.98**After Incubation**Meter Calibration2: 8.99Zero DO Reading2: 0.03 mg/L (<=0.2 Criteria)Barometric Pressure2: 765 mmHgWinkler titrated BOD fluid DO reading2: 8.90



QC BATCH ID: LB113919

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:30

TIME OUT: 11:00

DATE IN: 04/09/2021

DATE OUT: 04/14/2021

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
LB113919BL	1	No	6.0	N/A	21.20	300	8.87	8.86	0.01	0.01	0.01	
POLYSEED	1					10	8.73	5.59	3.14	0.63	0.65	
POLYSEED	2					15	8.70	4.42	4.28	0.57		
POLYSEED	3					20	8.70	1.21	7.49	0.75		
GGA	1					6	8.59	2.98	5.61	248	199.67	
GGA	2					6	8.59	4.44	4.15	175		
GGA	3					6	8.56	4.39	4.17	176		
M1988-01	1	No	6.4	N/A	18.20	5	8.56	6.99	-	0	76.95	
M1988-01	2					20	8.55	2.77	5.78	76.95		
M1988-01	3					50	8.54	0.24	-	0		
M1988-01	4					150	8.53	0.18	-	0		
M1988-01DUP	1	No	6.4	N/A	18.20	5	8.58	7.02	-	0	76.8	
M1988-01DUP	2					20	8.56	2.79	5.77	76.8		
M1988-01DUP	3					50	8.53	0.25	-	0		
M1988-01DUP	4					150	8.52	0.20	-	0		
M1989-01	1	No	6.4	N/A	17.20	1	8.54	6.26	2.28	489	296.1	
M1989-01	2					5	8.51	6.14	2.37	103.2		
M1989-01	3					20	8.50	0.23	-	0		
M1989-01	4					50	8.49	0.17	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB113919

WorkList Name : BOD54921

WorkList ID : 147898

Department : Wet-Chemistry

Date : 04-09-2021 11:08:04

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/10/2021	Water	M1988-01	BOD5	Cool 4 deg C	PHAR02	O23	32220008-3	04/08/2021	SM5210 B
04/10/2021	Water	M1989-01	BOD5	Cool 4 deg C	PHAR02	O22	15220012-1	04/08/2021	SM5210 B

Date/Time 04/09/21 15:20
 Raw Sample Received by: KS (Welcher)
 Raw Sample Relinquished by: AM (Welcher)

Date/Time 04/09/21 16:30
 Raw Sample Received by: AM (Welcher)
 Raw Sample Relinquished by: KS (Welcher)