

**BOD5 LOG****ANALYST:** Alexander**SUPERVISOR:** apatel**Analysis Date:** 04/14/2021**QC BATCH ID:** LB113981**BOD Water:** WP90522**MANGANOUS SULFATE SOLUTION:** W2767**Starch:** W2703**Alkaline Iodide Azide:** W2742**Sulfuric acid, 1N:** WP88863**Sodium Thiosulfate, 0.025N:** WP90315**POLYSEED:** WP90523**NaOH, 1N:** WP89699**GGA:** WP90524**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	8.7
WINKLER 2	WINKLER 2	2	300	8.8	17.4	8.6	8.7

Meter Calibration1: 8.71Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)Barometric Pressure1: 760 mmHgWinkler titrated BOD fluid DO reading1: 8.60**After Incubation**Meter Calibration2: 8.62Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)Barometric Pressure2: 760 mmHgWinkler titrated BOD fluid DO reading2: 8.56



QC BATCH ID: LB113981

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:25

TIME OUT: 11:35

DATE IN: 04/14/2021

DATE OUT: 04/19/2021

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
LB113981BL	1	No	6.0	N/A	21.20	300	8.60	8.53	0.07	0.07	0.07	
POLYSEED	1					10	8.59	5.78	2.81	0.56	0.66	
POLYSEED	2					15	8.58	3.18	5.4	0.72		
POLYSEED	3					20	8.57	1.52	7.05	0.71		
GGA	1					6	8.54	4.32	4.22	178	185	
GGA	2					6	8.54	4.00	4.54	194		
GGA	3					6	8.52	4.20	4.32	183		
M2026-01	1	No	6.63	N/A	21.00	1	8.54	7.84	-	0	21.3	
M2026-01	2					5	8.50	7.76	-	0		
M2026-01	3					10	8.46	7.52	-	0		
M2026-01	4					20	8.42	6.34	2.08	21.3		
M2026-02	1	No	6.63	N/A	21.10	1	8.57	8.12	-	0	24.9	
M2026-02	2					5	8.51	7.92	-	0		
M2026-02	3					10	8.45	7.68	-	0		
M2026-02	4					20	8.39	6.07	2.32	24.9		
M2026-03	1	No	7.79	N/A	21.20	5	8.45	8.12	-	0	7.13	
M2026-03	2					20	8.39	6.94	-	0		
M2026-03	3					50	8.21	5.97	2.24	9.48		
M2026-03	4					150	6.16	3.11	3.05	4.78		
M2026-03DUP	1	No	7.79	N/A	21.20	5	8.47	8.14	-	0	7.27	
M2026-03DUP	2					20	8.38	6.90	-	0		
M2026-03DUP	3					50	8.19	5.88	2.31	9.9		
M2026-03DUP	4					150	6.05	3.07	2.98	4.64		
M2026-04	1	No	6.56	N/A	21.10	5	8.52	8.02	-	0	18.49	
M2026-04	2					10	8.47	7.72	-	0		
M2026-04	3					20	8.35	6.26	2.09	21.45		
M2026-04	4					50	7.95	4.70	3.25	15.54		
M2026-05	1	No	9.01	7.20	21.50	5	8.57	8.13	-	0	22.5	pH Adjusted
M2026-05	2					10	8.48	7.54	-	0		
M2026-05	3					20	8.34	5.94	2.4	26.1		
M2026-05	4					50	8.16	4.35	3.81	18.9		
M2026-06	1	No	5.09	7.20	21.10	5	8.58	8.04	-	0		pH Adjusted
M2026-06	2					20	8.56	8.02	-	0		
M2026-06	3					50	8.48	7.98	-	0		
M2026-06	4					150	8.32	7.75	-	0		
M2032-01	1	No	6.40	N/A	18.70	1	8.58	7.94	-	0	79.8	
M2032-01	2					5	8.42	6.22	2.2	92.4		
M2032-01	3					20	8.35	3.21	5.14	67.2		
M2032-01	4					50	7.72	0.24	-	0		
M2032-01	5					150	6.67	0.10	-	0		
M2035-02	1	No	7.60	N/A	18.10	0.5	8.48	8.07	-	0	377.75	

M2035-02	2					1	8.47	7.20	-	0		
M2035-02	3					2	8.39	5.26	3.13	370.5		
M2035-02	4					3	8.35	3.84	4.51	385		

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

LB113981

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD-41421 WorkList ID : 148014 Department : Wet-Chemistry Date : 04-14-2021 14:43:16

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/15/2021	Water	M2026-01	BOD5	Cool 4 deg C	WOOD06	O61	PZ-01	04/13/2021	SM5210 B
04/15/2021	Water	M2026-02	BOD5	Cool 4 deg C	WOOD06	O61	PZ-02	04/13/2021	SM5210 B
04/15/2021	Water	M2026-03	BOD5	Cool 4 deg C	WOOD06	O61	GMW-5	04/13/2021	SM5210 B
04/15/2021	Water	M2026-04	BOD5	Cool 4 deg C	WOOD06	O61	PZ-15	04/13/2021	SM5210 B
04/15/2021	Water	M2026-05	BOD5	Cool 4 deg C	WOOD06	O61	GMW-11	04/13/2021	SM5210 B
04/15/2021	Water	M2026-06	BOD5	Cool 4 deg C	WOOD06	O61	FB-1	04/13/2021	SM5210 B
04/16/2021	Water	M2032-01	BOD5	Cool 4 deg C	PSEG03	O43	OWS-259	04/14/2021	SM5210 B
04/16/2021	Water	M2035-02	BOD5	Cool 4 deg C	ARAM01	O51	COMP	04/14/2021	SM5210 B

Date/Time 04/14/2021 16:10
 Raw Sample Received by: AM (wet-chem)
 Raw Sample Relinquished by: L.C. (son)

Date/Time 04/14/2021 17:30
 Raw Sample Received by: L.C. (son)
 Raw Sample Relinquished by: AM (wet-chem)