

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/25/2023**QC BATCH ID:** LB127464**BOD Water:** WP104351**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104353**GGA:** WP104352**Chlorine Strips:** W2011**pH Strips:** W3045**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR#3**GuageID:** 0511064**Zero DO:** WP104002

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.42

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 9.35

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB127464

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 14:20

TIME OUT: 10:00

DATE IN: 09/25/2023

DATE OUT: 09/30/2023

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
LB127464BL	1	No	6.69	N/A	20.30	300	9.45	9.43	0.02	0.02	0.02	
POLYSEED	1					10	9.44	5.89	3.55	0.71	0.64	
POLYSEED	2					15	9.42	4.87	4.55	0.61		
POLYSEED	3					20	9.39	3.41	5.98	0.6		
GGA	1					6	9.41	5.32	4.09	172.5	182	
GGA	2					6	9.40	5.21	4.19	177.5		
GGA	3					6	9.39	4.83	4.56	196		
O4572-01	1	No	5.09	6.70	20.00	5	9.44	8.62	-	0		pH Adjusted
O4572-01	2					20	9.43	8.47	-	0		
O4572-01	3					50	9.42	8.28	-	0		
O4572-01	4					150	9.40	8.08	-	0		
O4572-02	1	No	6.29	6.80	20.00	5	9.43	8.81	-	0		pH Adjusted
O4572-02	2					20	9.42	8.58	-	0		
O4572-02	3					50	9.41	8.38	-	0		
O4572-02	4					150	9.40	8.18	-	0		
O4572-03	1	No	5.57	6.65	20.00	5	9.44	8.88	-	0		pH Adjusted
O4572-03	2					20	9.43	8.45	-	0		
O4572-03	3					50	9.41	8.36	-	0		
O4572-03	4					150	9.40	8.20	-	0		
O4572-04	1	No	5.80	6.70	20.00	5	9.43	8.94	-	0		pH Adjusted
O4572-04	2					20	9.42	8.76	-	0		
O4572-04	3					50	9.40	8.23	-	0		
O4572-04	4					150	9.39	8.14	-	0		
O4572-04DUP	1	No	5.80	6.70	20.00	5	9.42	8.82	-	0		pH Adjusted
O4572-04DUP	2					20	9.41	8.71	-	0		
O4572-04DUP	3					50	9.40	8.38	-	0		
O4572-04DUP	4					150	9.38	8.12	-	0		
O4591-01	1	No	5.46	6.72	20.00	5	9.44	8.82	-	0		pH Adjusted
O4591-01	2					20	9.43	8.55	-	0		
O4591-01	3					50	9.41	8.37	-	0		
O4591-01	4					150	9.39	8.23	-	0		
O4591-02	1	No	6.09	6.80	20.00	5	9.44	8.78	-	0		pH Adjusted
O4591-02	2					20	9.43	8.58	-	0		
O4591-02	3					50	9.39	8.23	-	0		
O4591-02	4					150	9.27	8.03	-	0		
O4591-03	1	No	5.76	6.69	20.00	5	9.40	8.85	-	0		pH Adjusted
O4591-03	2					20	9.35	8.56	-	0		
O4591-03	3					50	9.19	8.12	-	0		
O4591-03	4					150	8.95	7.24	-	0		
O4591-04	1	No	6.14	6.70	20.00	5	9.44	8.90	-	0		pH Adjusted
O4591-04	2					20	9.43	8.78	-	0		

O4591-04	3					50	9.42	8.32	-	0		
O4591-04	4					150	9.40	8.20	-	0		
O4591-05	1	No	5.76	6.67	20.00	5	9.43	8.91	-	0		pH Adjuster
O4591-05	2					20	9.42	8.78	-	0		
O4591-05	3					50	9.41	8.43	-	0		
O4591-05	4					150	9.40	8.25	-	0		
O4591-06	1	No	5.13	6.65	20.00	5	9.44	8.71	-	0		pH Adjuster
O4591-06	2					20	9.42	7.60	-	0		
O4591-06	3					50	9.40	8.54	-	0		
O4591-06	4					150	9.38	8.30	-	0		
O4591-07	1	No	5.22	6.69	20.00	5	9.44	8.97	-	0		pH Adjuster
O4591-07	2					20	9.43	8.70	-	0		
O4591-07	3					50	9.40	8.57	-	0		
O4591-07	4					150	9.39	8.39	-	0		

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

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

66127464

WorkList Name : BOD5-9-25 WorkList ID : 173928 Department : Wet-Chemistry Date : 09-25-2023 09:12:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4572-01	MW-P10W	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/22/2023	SM5210 B
O4572-02	MW-39I	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/22/2023	SM5210 B
O4572-03	MW-48I	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/22/2023	SM5210 B
O4572-04	MW-49I	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/22/2023	SM5210 B
O4591-01	MW-17S	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/21/2023	SM5210 B
O4591-02	MW-P10E	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/21/2023	SM5210 B
O4591-03	MW-25S	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/21/2023	SM5210 B
O4591-04	MW-46S	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/21/2023	SM5210 B
O4591-05	MW-46I	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/21/2023	SM5210 B
O4591-06	MW-57S	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/21/2023	SM5210 B
O4591-07	MW-57I	Water	BOD5	Cool 4 deg C	LOCK01	N11	09/21/2023	SM5210 B

Date/Time 09/25/2023 10:30
 Raw Sample Received by: RM CARR
 Raw Sample Relinquished by: JH CARR

Date/Time 09/25/2023 14:30
 Raw Sample Received by: JH CARR
 Raw Sample Relinquished by: RM CARR