

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/22/2024**QC BATCH ID:** LB129634**BOD Water:** WP106698**Starch:** W2977**Sulfuric acid, 1N:** WP105744**POLYSEED:** WP106700**GGA:** WP106699**Chlorine Strips:** W2965**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP106529**IncubatorID:** INCUBATOR#3**GuageID:** 0511064**Zero DO:** WP106592

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: 8.71

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 8.55

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB129634

INCUBATOR TEMP IN(C): 20.6

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 16:00

TIME OUT: 15:20

DATE IN: 02/22/2024

DATE OUT: 02/27/2024

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
LB129634BL	1	No	6.88	N/A	20.60	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.39	6.41	2.98	0.6	0.62	
POLYSEED	2					15	9.35	4.58	4.77	0.64		
POLYSEED	3					20	9.34	3.19	6.15	0.62		
GGA	1					6	9.40	5.06	4.34	186	189.33	
GGA	2					6	9.40	5.00	4.4	189		
GGA	3					6	9.38	4.90	4.48	193		
P1552-02	1	No	6.08	6.64	20.50	0.5	9.44	6.05	3.39	1662	1281.5	pH Adjusted
P1552-02	2					1	9.43	4.91	4.52	1170		
P1552-02	3					2	9.39	2.02	7.37	1012.5		
P1552-02	4					3	9.35	0.50	-	0		
P1561-01	1	No	8.14	7.38	20.70	5	9.43	8.38	-	0	8.22	pH Adjusted
P1561-01	2					20	9.42	8.03	-	0		
P1561-01	3					50	9.40	7.88	-	0		
P1561-01	4					150	9.39	4.66	4.73	8.22		
P1562-01	1	No	6.87	N/A	20.60	1	9.43	8.44	-	0	68.7	
P1562-01	2					2	9.41	7.99	-	0		
P1562-01	3					5	9.40	7.66	-	0		
P1562-01	4					10	9.36	6.45	2.91	68.7		
P1562-02	1	No	6.75	N/A	20.60	1	9.43	8.21	-	0	322.05	
P1562-02	2					2	9.40	6.27	3.13	376.5		
P1562-02	3					5	9.36	4.28	5.08	267.6		
P1562-02	4					10	9.35	0.19	-	0		
P1562-02DUP	1	No	6.75	N/A	20.60	1	9.43	8.14	-	0	330	
P1562-02DUP	2					2	9.41	6.21	3.2	387		
P1562-02DUP	3					5	9.37	4.20	5.17	273		
P1562-02DUP	4					10	9.35	0.16	-	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)

LB129634

WorkList Name : bod5-0221 WorkList ID : 178038 Department : Wet-Chemistry Date : 02-21-2024 08:26:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1561-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	E11	02/21/2024	SM5210 B
P1552-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	E21	02/21/2024	SM5210 B
P1562-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	E21	02/21/2024	SM5210 B
P1562-02	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	E21	02/21/2024	SM5210 B

Date/Time 02/22/2024 14:00
 Raw Sample Received by: RM [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 02/22/2024 15:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: RM [Signature]