

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 01/10/2024**QC BATCH ID:** LB129105**BOD Water:** WP106037**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP105744**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP106039**NaOH, 1N:** WP103989**GGA:** WP106038**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2965**GuageID:** 0511064**pH Strips:** W3056**Zero DO:** WP106040

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.9	8.9	8.9
WINKLER 2	WINKLER 2	2	300	8.9	17.8	8.9	8.9

Meter Calibration1: 8.58Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)Barometric Pressure1: 745 mmHg DO Meter BOD fluid reading for winkler comparison: 8.97**After Incubation**Meter Calibration2: 9.48Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)Barometric Pressure2: 771 mmHg



QC BATCH ID: LB129105

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:45

TIME OUT: 12:00

DATE IN: 01/10/2024

DATE OUT: 01/15/2024

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
LB129105BL	1	No	6.72	N/A	20.50	300	8.96	8.94	0.02	0.02	0.02	
POLYSEED	1					10	8.84	6.31	2.53	0.51	0.52	
POLYSEED	2					15	8.72	4.43	4.29	0.57		
POLYSEED	3					20	8.61	3.67	4.94	0.49		
GGA	1					6	8.87	5.22	3.65	156.5	171.5	
GGA	2					6	8.83	4.80	4.03	175.5		
GGA	3					6	8.80	4.63	4.17	182.5		
P1078-01	1	No	7.99	7.28	20.00	2	8.87	7.34	-	0		pH Adjusted
P1078-01	2					10	8.81	6.87	-	0		
P1078-01	3					50	8.25	6.51	-	0		
P1078-01	4					100	7.42	6.39	-	0		
P1082-01	1	No	5.28	6.81	20.50	5	8.85	7.93	-	0	40.45	pH Adjusted
P1082-01	2					10	8.82	5.95	2.87	70.5		
P1082-01	3					20	8.83	5.32	3.51	44.85		
P1082-01	4					50	8.71	3.88	4.83	25.86		
P1082-01	5					100	8.46	1.08	7.38	20.58		
P1082-01DUP	1	No	5.28	6.81	20.50	5	8.86	7.80	-	0	40.74	pH Adjusted
P1082-01DUP	2					10	8.84	5.86	2.98	73.8		
P1082-01DUP	3					20	8.82	5.40	3.42	43.5		
P1082-01DUP	4					50	8.67	3.93	4.74	25.32		
P1082-01DUP	5					100	8.43	1.13	7.3	20.34		
P1090-02	1	No	6.30	6.80	20.00	0.5	8.88	6.57	2.31	1074	1252.5	pH Adjusted
P1090-02	2					1	8.86	3.57	5.29	1431		
P1090-02	3					2	8.68	0.40	-	0		
P1090-02	4					3	8.58	0.26	-	0		
P1094-01	1	No	8.11	7.24	20.00	5	8.93	7.37	-	0	13.09	pH Adjusted
P1094-01	2					20	8.87	6.85	2.02	22.5		
P1094-01	3					50	8.85	6.42	2.43	11.46		
P1094-01	4					150	8.83	5.65	3.18	5.32		

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.

6/29/05

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod5-1-10 WorkList ID : 177073 Department : Wet-Chemistry Date : 01-10-2024 08:01:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1078-01	1C	Water	BOD5	Cool 4 deg C	M&MM01	O41	01/09/2024	SM5210 B
P1082-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	O41	01/09/2024	SM5210 B
P1090-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	O31	01/10/2024	SM5210 B
P1094-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	P11	01/10/2024	SM5210 B

Date/Time 01/10/2024 14:30
Raw Sample Received by: RM
Raw Sample Relinquished by: JH

Date/Time 01/10/2024 16:10
Raw Sample Received by: JH
Raw Sample Relinquished by: RM