BOD5 LOG

ANALYST: rubina
SUPERVISOR: Iwona

QC BATCH ID: LB137180
Analysis Date: 09/12/2025
BOD Water: WP114750
MANGANOUS SULFATE SOLUTION: W3103
Starch: W3149
Alkaline Iodide Azide: W3109
Sulfuric acid, 1N: WP112832
Sodium Thiosulfate, 0.025N: W3105
POLYSEED: WP114752
NaOH, 1N: WP113878
GGA: WP114751
IncubatorID: INCUBATOR #3
Chlorine Strips: W3155
GuageID: 0511064
pH Strips: W3215
Zero DO: WP114418

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.9	19.7	9.8	9.8

Meter Calibration1: 9.14 Zero DO Reading1: 0.16 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.84

After Incubation

Meter Calibration2: 7.84 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

Alliance TECHNICAL GROUP

QC BATCH ID: LB137180

INCUBATOR TEMP IN(C): 20.1 **INCUBATOR TEMP OUT(C):** 20.0

TIME IN: 18:30 **TIME OUT:** 14:00

DATE IN: 09/12/2025 **DATE OUT:** 09/17/2025

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
LB137180BL	1	No	6.69	N/A	20.90	300	9.83	9.81	0.02	0.02	0.02	
POLYSEED	1					10	9.70	6.23	3.47	0.69	0.7	
POLYSEED	2					15	9.64	4.03	5.61	0.75		
POLYSEED	3					20	9.57	2.83	6.74	0.67		
GGA	1					6	9.64	5.41	4.23	176.5	180.83	
GGA	2					6	9.62	5.28	4.34	182		
GGA	3					6	9.62	5.24	4.38	184		
Q3081-01	1	No	6.85	N/A	20.10	5	9.72	8.89	-	0	2962.5	
Q3081-01	2					10	9.68	8.52	-	0		
Q3081-01	3					20	9.59	7.08	2.51	2715		
Q3081-01	4					50	9.28	3.23	6.05	3210		
Q3081-01	5					100	8.95	0.43	-	0		
Q3093-01	1	No	5.01	7.01	20.90	5	9.65	1.07	8.58	472.8	472.8	pH Adjuste
Q3093-01	2					20	9.40	0.15	-	0		
Q3093-01	3					50	9.00	0.08	-	0		
Q3093-01	4					150	7.65	0.07	-	0		
Q3094-04	1	No	4.10	7.11	20.70	5	9.65	8.87	-	0		pH Adjuste
Q3094-04	2					20	9.60	8.57	-	0		
Q3094-04	3					50	9.55	8.02	-	0		
Q3094-04	4					150	9.52	7.94	-	0		
Q3096-01	1	No	5.95	6.94	20.50	5	9.70	8.79	-	0	6502.5	pH Adjuste
Q3096-01	2					10	9.61	7.03	2.58	5640		
Q3096-01	3					20	9.55	3.94	5.61	7365		
Q3096-01	4					50	9.38	0.59	-	0		
Q3096-01	5					100	8.99	0.28	-	0		
Q3096-01DUP	1	No	5.95	6.94	20.50	5	9.71	8.68	-	0	6360	pH Adjuste
Q3096-01DUP	2					10	9.60	7.09	2.51	5430		
Q3096-01DUP	3					20	9.55	3.99	5.56	7290		
Q3096-01DUP	4					50	9.36	0.68	-	0		
Q3096-01DUP	5					100	8.97	0.20	-	0		
Q3098-04	1	No	9.21	7.27	20.80	5	9.59	7.23	2.36	996	863.13	pH Adjuste
Q3098-04	2					10	9.54	6.20	3.34	792		
Q3098-04	3					20	9.50	2.75	6.75	907.5		
Q3098-04	4					30	9.41	1.14	8.27	757		

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

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

L6137180

WorkList Name : bod5-09-12 **WorkList ID :** 191850 **Department :** Wet-Chemistry **Date :** 09-12-2025 13:26:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3093-01	MH-9-12-25	Water	BOD5	Cool 4 deg C	EURO03	D31	09/12/2025	SM5210 B
Q3081-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	D11	09/11/2025	SM5210 B
Q3096-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	D31	09/12/2025	SM5210 B

Date/Time 09/12/2025 16:10
Raw Sample Received by: RM (WC)
Raw Sample Relinquished by: JP (WC)

Date/Time 09/12/2025 18:40
Raw Sample Received by: JP (WC)
Raw Sample Relinquished by: RM (WC)

WORKLIST(Hardcopy Internal Chain)

CD137180

WorkList Name : bod5-09-12- **WorkList ID :** 191851 **Department :** Wet-Chemistry **Date :** 09-12-2025 15:47:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3094-04	5674-11-001C	Water	BOD5	Cool 4 deg C	SCIE01	D31	09/11/2025	SM5210 B
Q3098-04	EFF-WW	Water	BOD5	Cool 4 deg C	ARDM01	D31	09/12/2025	SM5210 B

Date/Time 09/12/2025 17.45
Raw Sample Received by: RM(WC)
Raw Sample Relinquished by: [illegible](WC)

Date/Time 09/12/2025 18.40
Raw Sample Received by: [illegible](CO)
Raw Sample Relinquished by: RM(WC)