

CBOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

QC BATCH ID: LB137208

Analysis Date: 09/17/2025

BOD Water: WP114800

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP112832

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP114802

NaOH, 1N: WP113878

GGA: WP114801

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3215

Zero DO: WP114418

Nitrification Inhibitor: W3064

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Meter Calibration1: 9.24

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.79

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

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB137208

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 09:30

TIME OUT: 10:00

DATE IN: 09/17/2025

DATE OUT: 09/22/2025

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
LB137208BL	1	No	6.63	N/A	20.90	300	9.69	9.67	0.02	0.02	0.02	
POLYSEED	1					10	9.65	6.16	3.49	0.7	0.72	
POLYSEED	2					15	9.61	4.02	5.59	0.75		
POLYSEED	3					20	9.59	2.62	6.97	0.7		
GGA	1					6	9.65	5.57	4.08	168	175.17	
GGA	2					6	9.62	5.35	4.27	177.5		
GGA	3					6	9.62	5.30	4.32	180		
Q3019-03	1	No	2.61	7.16	20.90	1	9.67	8.64	-	0	53.85	pH Adjusted
Q3019-03	2					5	9.64	8.28	-	0		
Q3019-03	3					20	9.54	5.23	4.31	53.85		
Q3019-03	4					50	9.25	0.20	-	0		
Q3019-03	5					100	8.84	0.17	-	0		
Q3102-01	1	No	7.00	N/A	20.00	5	9.63	6.57	3.06	140.4	116.1	
Q3102-01	2					20	9.59	2.75	6.84	91.8		
Q3102-01	3					50	9.30	0.39	-	0		
Q3102-01	4					150	7.52	0.10	-	0		
Q3102-01DUP	1	No	7.00	N/A	20.00	5	9.61	6.41	3.2	148.8	120.6	
Q3102-01DUP	2					20	9.58	2.70	6.88	92.4		
Q3102-01DUP	3					50	9.28	0.51	-	0		
Q3102-01DUP	4					150	7.53	0.12	-	0		

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)

6137208

WorkList Name : cbod5-9-16

WorkList ID : 191895

Department : Wet-Chemistry

Date : 09-16-2025 13:51:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-03	WP0925-PT-DEM-WP	Water	CBOD5	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM5210 B
Q3102-01	UAS-WAYNE	Water	CBOD5	Cool 4 deg C	URBA02	D12	09/15/2025	SM5210 B

Date/Time 09/17/2025 0800
 Raw Sample Received by: RM Casey
 Raw Sample Relinquished by: JRC (W)

Date/Time 09/17/2025 0930
 Raw Sample Received by: JRC (W)
 Raw Sample Relinquished by: RM (W)