

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 11/05/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3248

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP115341

QC BATCH ID: LB137795

BOD Water: WP115467

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115469

GGA: WP115468

Chlorine Strips: W3155

pH Strips: W3241

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: 9.21 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 7.50 mmHg DO Meter BOD fluid reading for winkler comparison: 9.97

After Incubation

Meter Calibration2: 8.59 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 750 mmHg

QC BATCH ID: LB137795

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:40

TIME OUT: 12:00

DATE IN: 11/05/2025

DATE OUT: 11/10/2025

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
LB137795BL	1	No	6.62	N/A	20.80	300	9.97	9.96	0.01	0.01	0.01	
POLYSEED	1					10	9.91	6.71	3.2	0.64	0.66	
POLYSEED	2					15	9.87	4.62	5.25	0.7		
POLYSEED	3					20	9.83	3.41	6.42	0.64		
GGA	1					6	9.90	5.48	4.42	188	191.17	
GGA	2					6	9.87	5.41	4.46	190		
GGA	3					6	9.86	5.29	4.57	195.5		
Q3547-02	1	No	7.74	7.02	20.40	5	9.95	8.28	-	0	740.33	pH Adjusted
Q3547-02	2					10	9.90	6.28	3.62	888		
Q3547-02	3					20	9.85	4.21	5.64	747		
Q3547-02	4					30	9.80	3.28	6.52	586		
Q3547-02DUP	1	No	7.74	7.02	20.40	5	9.94	8.39	-	0	739.67	pH Adjusted
Q3547-02DUP	2					10	9.90	6.33	3.57	873		
Q3547-02DUP	3					20	9.83	4.15	5.68	753		
Q3547-02DUP	4					30	9.78	3.19	6.59	593		
Q3550-01	1	No	5.87	7.27	20.10	5	9.92	8.71	-	0	2064	pH Adjusted
Q3550-01	2					10	9.90	8.67	-	0		
Q3550-01	3					20	9.85	7.67	2.18	2280		
Q3550-01	4					50	9.30	5.59	3.71	1830		
Q3550-01	5					100	8.71	1.11	7.6	2082		
Q3554-01	1	No	5.54	6.69	20.10	1	9.93	8.67	-	0	6740	pH Adjusted
Q3554-01	2					5	9.90	7.88	2.02	8160		
Q3554-01	3					10	9.82	6.64	3.18	7560		
Q3554-01	4					50	9.40	1.24	8.16	4500		
Q3554-01	5					100	8.72	0.43	-	0		
Q3554-05	1	No	5.48	6.98	20.10	1	9.92	8.84	-	0	8400	pH Adjusted
Q3554-05	2					5	9.90	7.92	-	0		
Q3554-05	3					10	9.87	6.41	3.46	8400		
Q3554-05	4					50	9.65	0.69	-	0		
Q3554-05	5					100	8.58	0.48	-	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)

WorkList Name : BOD5-11-05 WorkList ID : 192909 Department : Wet-Chemistry Date : 11-05-2025 12:49:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3547-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	J31	11/05/2025	SM5210 B
Q3550-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	A21	11/05/2025	SM5210 B

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Date/Time 11/05/2025 14:00
 Raw Sample Received by: RM WGO
 Raw Sample Relinquished by: RM WGO

Date/Time 11/05/2025 16:00
 Raw Sample Received by: RM WGO
 Raw Sample Relinquished by: RM WGO

WORKLIST(Hardcopy Internal Chain)

6137795

WorkList Name : BOD5-3554 WorkList ID : 192948 Department : Wet-Chemistry Date : 11-05-2025 14:26:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3554-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	D41	11/05/2025	SM5210 B
Q3554-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	D41	11/05/2025	SM5210 B

Date/Time 11/05/2025 15:30
Raw Sample Received by: RMW
Raw Sample Relinquished by: RMW

Date/Time 11/05/2025 16:20
Raw Sample Received by: RMW
Raw Sample Relinquished by: _____