

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 11/06/2025

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: LB137856

BOD Water: WP115510

Starch: W3149

Sulfuric acid, 1N: WP115342

POLYSEED: WP115512

GGA: WP115511

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	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.7	19.2	9.5	9.5

Meter Calibration1: 8.98 Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.68

After Incubation

Meter Calibration2: 8.72 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 750 mmHg

QC BATCH ID: LB137856

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 13:00

TIME OUT: 10:20

DATE IN: 11/06/2025

DATE OUT: 11/11/2025

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
LB137856BL	1	No	6.57	N/A	20.90	300	9.67	9.65	0.02	0.02	0.02	
POLYSEED	1					10	9.55	6.52	3.03	0.61	0.63	
POLYSEED	2					15	9.48	4.86	4.62	0.62		
POLYSEED	3					20	9.45	2.95	6.5	0.65		
GGA	1					6	9.51	5.49	4.02	169.5	177	
GGA	2					6	9.50	5.28	4.22	179.5		
GGA	3					6	9.50	5.23	4.27	182		
Q3551-04	1	No	7.00	N/A	20.00	5	9.63	8.40	-	0	25.86	
Q3551-04	2					20	9.61	7.18	2.43	27		
Q3551-04	3					50	9.59	4.84	4.75	24.72		
Q3551-04	4					150	9.57	0.52	-	0		
Q3551-04DUP	1	No	7.00	N/A	20.00	5	9.62	8.49	-	0	25.81	
Q3551-04DUP	2					20	9.60	7.22	2.38	26.25		
Q3551-04DUP	3					50	9.58	4.72	4.86	25.38		
Q3551-04DUP	4					150	9.56	0.54	-	0		
Q3552-01	1	No	6.80	N/A	20.10	5	9.62	0.98	-	0	114.6	
Q3552-01	2					20	9.48	1.21	8.27	114.6		
Q3552-01	3					50	9.11	0.89	-	0		
Q3552-01	4					150	8.25	0.54	-	0		
Q3552-02	1	No	5.68	6.74	20.00	5	9.56	8.63	-	0	7.18	pH Adjusted
Q3552-02	2					20	9.14	7.72	-	0		
Q3552-02	3					50	8.86	7.30	-	0		
Q3552-02	4					150	8.36	4.14	4.22	7.18		
Q3552-03	1	No	6.87	N/A	20.20	5	9.61	2.37	7.24	396.6	396.6	
Q3552-03	2					20	9.47	0.87	-	0		
Q3552-03	3					50	9.00	0.54	-	0		
Q3552-03	4					150	7.36	0.12	-	0		
Q3552-04	1	No	6.35	6.97	20.30	5	9.60	8.73	-	0	27.42	pH Adjusted
Q3552-04	2					20	9.46	7.72	-	0		
Q3552-04	3					50	9.10	3.90	5.2	27.42		
Q3552-04	4					150	7.98	0.87	-	0		
Q3552-05	1	No	6.80	N/A	20.00	5	9.62	2.88	6.74	366.6	366.6	
Q3552-05	2					20	9.48	0.98	-	0		
Q3552-05	3					50	9.16	0.89	-	0		
Q3552-05	4					150	7.76	0.54	-	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.