

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 07/09/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP113605

QC BATCH ID: LB136413

BOD Water: WP113846

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113848

GGA: WP113847

Chlorine Strips: W3155

pH Strips: W3215

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.83

After Incubation

Meter Calibration2: 8.74 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB136413

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:40

TIME OUT: 11:00

DATE IN: 07/09/2025

DATE OUT: 07/14/2025

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
LB136413BL	1	No	6.57	N/A	20.90	300	9.82	9.81	0.01	0.01	0.01	
POLYSEED	1					10	9.73	6.19	3.54	0.71	0.69	
POLYSEED	2					15	9.69	4.59	5.1	0.68		
POLYSEED	3					20	9.64	2.94	6.7	0.67		
GGA	1					6	9.76	5.01	4.75	203	211.83	
GGA	2					6	9.75	4.84	4.91	211		
GGA	3					6	9.74	4.62	5.12	221.5		
Q2522-01	1	No	5.09	7.14	20.40	5	9.74	7.79	-	0	8032.5	pH Adjusted
Q2522-01	2					10	9.73	6.51	3.22	7590		
Q2522-01	3					20	9.71	3.37	6.34	8475		
Q2522-01	4					50	9.56	0.30	-	0		
Q2522-01	5					100	9.26	0.14	-	0		
Q2525-01	1	No	7.87	7.23	20.70	2	9.74	8.14	-	0	87.6	pH Adjusted
Q2525-01	2					10	9.72	6.11	3.61	87.6		
Q2525-01	3					50	9.09	0.21	-	0		
Q2525-01	4					100	8.10	0.17	-	0		
Q2536-01	1	No	5.11	6.70	20.00	5	9.77	8.41	-	0		pH Adjusted
Q2536-01	2					20	9.76	8.21	-	0		
Q2536-01	3					50	9.74	8.11	-	0		
Q2536-01	4					150	9.71	8.02	-	0		
Q2536-02	1	No	5.05	6.99	20.00	5	9.78	8.88	-	0		pH Adjusted
Q2536-02	2					20	9.77	8.20	-	0		
Q2536-02	3					50	9.75	8.01	-	0		
Q2536-02	4					150	9.74	7.90	-	0		
Q2536-03	1	No	4.99	6.67	20.00	5	9.77	8.77	-	0		pH Adjusted
Q2536-03	2					20	9.76	8.51	-	0		
Q2536-03	3					50	9.75	7.86	-	0		
Q2536-03	4					150	9.72	7.76	-	0		
Q2548-02	1	No	6.45	6.77	20.80	5	9.62	7.39	2.23	924	682.13	pH Adjusted
Q2548-02	2					10	9.60	7.16	2.44	525		
Q2548-02	3					20	9.50	4.30	5.2	676.5		
Q2548-02	4					30	9.41	2.69	6.72	603		
Q2548-02DUP	1	No	6.45	6.77	20.80	5	9.64	7.29	2.35	996	709.13	pH Adjusted
Q2548-02DUP	2					10	9.60	7.13	2.47	534		
Q2548-02DUP	3					20	9.51	4.17	5.34	697.5		
Q2548-02DUP	4					30	9.40	2.62	6.78	609		

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.