

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: LB137780

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: 755 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: LB137780

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 10:10

TIME OUT: 09:20

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
LB137780BL	1	No	6.62	N/A	20.80	300	9.97	9.96	0.01	0.01	0.01	
POLYSEED	1					10	9.95	6.77	3.18	0.64	0.66	
POLYSEED	2					15	9.92	4.79	5.13	0.68		
POLYSEED	3					20	9.87	3.27	6.6	0.66		
GGA	1					6	9.90	5.45	4.45	189.5	194.5	
GGA	2					6	9.90	5.38	4.52	193		
GGA	3					6	9.89	5.21	4.68	201		
Q3534-01	1	No	6.20	6.87	20.20	5	9.94	7.58	2.36	102	92.03	pH Adjusted
Q3534-01	2					20	9.88	3.75	6.13	82.05		
Q3534-01	3					50	9.21	0.98	-	0		
Q3534-01	4					150	8.55	0.87	-	0		
Q3534-02	1	No	6.52	N/A	20.10	5	9.90	8.81	-	0	8.4	
Q3534-02	2					20	9.87	8.48	-	0		
Q3534-02	3					50	9.80	7.62	2.18	9.12		
Q3534-02	4					150	9.77	5.27	4.5	7.68		
Q3534-03	1	No	6.64	N/A	20.20	5	9.92	8.84	-	0	7.06	
Q3534-03	2					20	9.85	8.41	-	0		
Q3534-03	3					50	9.80	8.02	-	0		
Q3534-03	4					150	9.38	5.19	4.19	7.06		
Q3534-04	1	No	6.56	N/A	20.10	5	9.90	8.02	-	0	57.06	
Q3534-04	2					20	9.87	4.87	5	65.1		
Q3534-04	3					50	9.85	1.02	8.83	49.02		
Q3534-04	4					150	8.59	0.23	-	0		
Q3534-05	1	No	6.32	6.72	20.20	5	9.93	7.08	2.85	131.4	116.4	pH Adjusted
Q3534-05	2					20	9.90	2.48	7.42	101.4		
Q3534-05	3					50	9.31	0.93	-	0		
Q3534-05	4					150	7.31	0.37	-	0		
Q3534-06	1	No	6.56	N/A	20.10	5	9.91	8.20	-	0	14.48	
Q3534-06	2					20	9.87	8.02	-	0		
Q3534-06	3					50	9.80	6.52	3.28	15.72		
Q3534-06	4					150	9.44	2.16	7.28	13.24		
Q3534-07	1	No	6.72	N/A	20.20	5	9.90	8.28	-	0	33.87	
Q3534-07	2					20	9.84	6.68	3.16	37.5		
Q3534-07	3					50	9.41	3.71	5.7	30.24		
Q3534-07	4					150	7.51	0.30	-	0		
Q3537-03	1	No	6.81	N/A	20.30	5	9.91	8.89	-	0		
Q3537-03	2					20	9.90	8.48	-	0		
Q3537-03	3					50	9.87	8.23	-	0		
Q3537-03	4					150	9.85	8.01	-	0		
Q3537-03DUP	1	No	6.81	N/A	20.30	5	9.90	8.80	-	0		
Q3537-03DUP	2					20	9.88	8.58	-	0		

Q3537-03DUP	3					50	9.86	8.36	-	0		
Q3537-03DUP	4					150	9.84	8.12	-	0		
Q3541-01	1	No	8.46	6.97	20.40	5	9.92	8.80	-	0		
Q3541-01	2					20	9.90	8.31	-	0		
Q3541-01	3					50	9.87	8.19	-	0		
Q3541-01	4					150	9.85	8.04	-	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)

6137780

WorkList Name : BOD5-11-04 WorkList ID : 192875 Department : Wet-Chemistry Date : 11-04-2025 17:00:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3534-01	MW-6	Water	BOD5	Cool 4 deg C	REMI02	D31	11/03/2025	SM5210 B
Q3534-02	MW-1	Water	BOD5	Cool 4 deg C	REMI02	D31	11/03/2025	SM5210 B
Q3534-03	MW-11	Water	BOD5	Cool 4 deg C	REMI02	D31	11/03/2025	SM5210 B
Q3534-04	MW-5	Water	BOD5	Cool 4 deg C	REMI02	D31	11/04/2025	SM5210 B
Q3534-05	MW-EB-1	Water	BOD5	Cool 4 deg C	REMI02	D31	11/03/2025	SM5210 B
Q3534-06	MW-EB-2	Water	BOD5	Cool 4 deg C	REMI02	D31	11/04/2025	SM5210 B
Q3534-07	MW-EB-3	Water	BOD5	Cool 4 deg C	REMI02	D31	11/03/2025	SM5210 B
Q3537-03	MW-17-WATER	Water	BOD5	Cool 4 deg C	PSEG03	D41	11/04/2025	SM5210 B
Q3541-01	N48969	Water	BOD5	Cool 4 deg C	PSEG03	D41	11/04/2025	SM5210 B

Date/Time 11/05/2025 08.10
 Raw Sample Received by: RMW
 Raw Sample Relinquished by: RMW

Date/Time 11/05/2025 10.2
 Raw Sample Received by: RMW
 Raw Sample Relinquished by: RMW