

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 09/05/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP114418

QC BATCH ID: LB137092

BOD Water: WP114623

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP112625

GGA: WP112624

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	10.1	10.1	10.1
WINKLER 2	WINKLER 2	2	300	10.3	20.4	10.1	10.1

Meter Calibration1: 9.14

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 10.28

After Incubation

Meter Calibration2: 8.57

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB137092

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:50

TIME OUT: 09:00

DATE IN: 09/05/2025

DATE OUT: 09/10/2025

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
LB137092BL	1	No	6.65	N/A	20.90	300	10.27	10.26	0.01	0.01	0.01	
POLYSEED	1					10	10.25	7.23	3.02	0.6	0.65	
POLYSEED	2					15	10.20	5.11	5.09	0.68		
POLYSEED	3					20	10.13	3.48	6.65	0.67		
GGA	1					6	10.21	5.63	4.58	196.5	201.33	
GGA	2					6	10.17	5.48	4.69	202		
GGA	3					6	10.17	5.41	4.76	205.5		
Q3007-02	1	No	9.30	7.33	20.10	5	10.21	7.66	2.55	1140	845.5	pH Adjusted
Q3007-02	2					10	10.15	7.26	2.89	672		
Q3007-02	3					20	10.09	4.10	5.99	801		
Q3007-02	4					30	10.04	1.70	8.34	769		
Q3007-02DUP	1	No	9.30	7.33	20.10	5	10.20	7.76	2.44	1074	826.88	pH Adjusted
Q3007-02DUP	2					10	10.16	7.18	2.98	699		
Q3007-02DUP	3					20	10.08	4.28	5.8	772.5		
Q3007-02DUP	4					30	10.04	1.77	8.27	762		
Q3020-01	1	No	8.80	7.01	20.00	5	10.21	8.26	-	0	51.05	pH Adjusted
Q3020-01	2					20	10.15	5.65	4.5	57.75		
Q3020-01	3					50	10.06	2.02	8.04	44.34		
Q3020-01	4					150	9.58	0.96	-	0		
Q3022-01	1	No	7.45	N/A	20.00	5	10.22	8.36	-	0	51.24	
Q3022-01	2					20	10.15	5.6	4.55	58.5		
Q3022-01	3					50	10.00	2.02	7.98	43.98		
Q3022-01	4					150	8.04	0.59	-	0		
Q3025-01	1	No	7.00	N/A	20.00	5	10.24	8.51	-	0	17.42	
Q3025-01	2					20	10.22	8.28	-	0		
Q3025-01	3					50	10.18	6.28	3.9	19.5		
Q3025-01	4					150	10.17	1.85	8.32	15.34		
Q3025-03	1	No	6.92	N/A	20.00	5	10.23	8.26	-	0	17.47	
Q3025-03	2					20	10.20	8.15	2.05	21		
Q3025-03	3					50	10.18	6.91	3.27	15.72		
Q3025-03	4					150	10.12	1.62	8.5	15.7		
Q3025-05	1	No	6.79	N/A	20.00	5	10.21	8.24	-	0	18.76	
Q3025-05	2					20	10.18	8.60	-	0		
Q3025-05	3					50	10.15	5.93	4.22	21.42		
Q3025-05	4					150	10.11	1.41	8.7	16.1		
Q3028-01	1	No	8.38	7.29	20.20	1	10.20	7.28	2.92	68100	36870	pH Adjusted
Q3028-01	2					5	10.15	5.31	4.84	25140		
Q3028-01	3					10	10.09	3.65	6.44	17370		
Q3028-01	4					50	10.04	0.77	-	0		
Q3028-01	5					100	9.84	0.45	-	0		
Q3028-05	1	No	4.63	7.19	20.20	1	10.22	6.18	4.04	101700	48560	pH Adjusted

Q3028-05	2					5	10.13	5.29	4.84	25140		
Q3028-05	3					10	10.05	3.12	6.93	18840		
Q3028-05	4					50	10.00	0.34	-	0		
Q3028-05	5					100	9.68	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)

66137092

WorkList Name : BOD5-09-04		WorkList ID : 191678		Department : Wet-Chemistry		Date : 09-04-2025 16:41:19	
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date Method
Q3007-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	J42	09/03/2025 SM5210 B
Q3020-01	WATER-TREATMEN DISCHAR	Water	BOD5	Cool 4 deg C	VERI01	J11	09/04/2025 SM5210 B
Q3022-01	1413	Water	BOD5	Cool 4 deg C	PSEG03	D31	09/04/2025 SM5210 B
Q3025-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	D31	09/04/2025 SM5210 B
Q3025-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	D31	09/04/2025 SM5210 B
Q3025-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	D31	09/04/2025 SM5210 B
Q3028-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	J12	09/04/2025 SM5210 B
Q3028-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	J12	09/04/2025 SM5210 B

Date/Time 09/05/2025 07:30
Raw Sample Received by: RM CWG
Raw Sample Relinquished by: JSCW

Date/Time 09/05/2025 10:11
Raw Sample Received by: JSCW
Raw Sample Relinquished by: RM CWG