

BOD5 LOG

ANALYST: rubin
 On:12/9/2025 1:13:04 PM

SUPERVISOR: Iwona

QC BATCH ID: LB138103

Analysis Date: 12/04/2025

BOD Water: WP115912

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP115342

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP115914

NaOH, 1N: WP113878

GGA: WP115913

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3241

Zero DO: WP115915

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	10.00	10	10
WINKLER 2	WINKLER 2	2	300	10.2	20.2	10	10

Meter Calibration1: 9.42

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 10.09

After Incubation

Meter Calibration2: 9.35

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB138103

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 11:25

TIME OUT: 09:25

DATE IN: 12/04/2025

DATE OUT: 12/09/2025

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
LB138103BL	1	No	6.69	N/A	20.90	300	10.09	10.07	0.02	0.02	0.02	
POLYSEED	1					10	10.04	6.47	3.57	0.71	0.7	
POLYSEED	2					15	10.01	4.79	5.22	0.7		
POLYSEED	3					20	9.96	3.07	6.89	0.69		
GGA	1					6	10.05	5.07	4.98	214	216.5	
GGA	2					6	10.04	4.93	5.11	220.5		
GGA	3					6	10.05	5.05	5	215		
Q3760-01	1	No	6.70	N/A	20.10	5	10.06	5.91	4.15	207	207	
Q3760-01	2					20	10.00	0.90	-	0		
Q3760-01	3					50	9.44	0.22	-	0		
Q3760-01	4					150	6.44	0.20	-	0		
Q3760-02	1	No	6.75	N/A	20.00	5	10.04	4.51	5.53	289.8	289.8	
Q3760-02	2					20	9.98	0.38	-	0		
Q3760-02	3					50	9.74	0.20	-	0		
Q3760-02	4					150	6.27	0.17	-	0		
Q3771-02	1	No	6.82	N/A	20.00	5	10.05	8.24	-	0	87.4	
Q3771-02	2					20	10.02	8.05	-	0		
Q3771-02	3					50	9.98	7.73	2.25	93		
Q3771-02	4					150	9.95	5.16	4.79	81.8		
Q3771-02DUP	1	No	6.82	N/A	20.00	5	10.06	8.57	-	0	86	
Q3771-02DUP	2					20	10.00	8.03	-	0		
Q3771-02DUP	3					50	9.97	7.86	2.11	84.6		
Q3771-02DUP	4					150	9.93	4.86	5.07	87.4		
Q3772-01	1	No	5.50	7.39	20.00	5	10.06	7.51	2.55	11100	7109	pH Adjusted
Q3772-01	2					20	10.04	5.13	4.91	6315		
Q3772-01	3					50	9.97	2.75	7.22	3912		
Q3772-01	4					150	9.88	0.60	-	0		
Q3772-01	5					10	9.71	0.20	-	0		
Q3772-05	1	No	5.15	7.11	20.00	5	10.05	6.85	3.2	15000	8223	pH Adjusted
Q3772-05	2					20	10.00	5.41	4.59	5835		
Q3772-05	3					50	9.95	2.86	7.09	3834		
Q3772-05	4					150	9.82	0.67	-	0		
Q3772-05	5					10	9.74	0.30	-	0		
Q3774-01	1	No	7.30	N/A	20.20	5	10.05	8.06	-	0	35.23	
Q3774-01	2					20	9.99	6.62	3.37	40.05		
Q3774-01	3					50	9.95	4.18	5.77	30.42		
Q3774-01	4					150	9.92	0.96	-	0		
Q3774-03	1	No	6.30	7.24	20.20	5	10.04	8.14	-	0	34.55	pH Adjusted
Q3774-03	2					20	10.00	6.71	3.29	38.85		
Q3774-03	3					50	9.98	4.24	5.74	30.24		
Q3774-03	4					150	9.96	0.78	-	0		

Q3774-05	1	No	6.94	N/A	20.10	5	10.04	8.07	-	0	36.34	
Q3774-05	2					20	9.96	6.55	3.41	40.65		
Q3774-05	3					50	9.90	3.86	6.04	32.04		
Q3774-05	4					150	9.87	0.74	-	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.