

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 04/16/2025

QC BATCH ID: LB135459

BOD Water: WP112719

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP112721

GGA: WP112720

Chlorine Strips: W3155

pH Strips: W3140

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP112724

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.7	19.1	9.4	9.4

Meter Calibration1: 9.26

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 8.37

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

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB135459

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:00

TIME OUT: 12:45

DATE IN: 04/16/2025

DATE OUT: 04/21/2025

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
LB135459BL	1	No	6.60	N/A	20.80	300	9.49	9.47	0.02	0.02	0.02	
POLYSEED	1					10	9.38	6.12	3.26	0.65	0.64	
POLYSEED	2					15	9.34	4.45	4.89	0.65		
POLYSEED	3					20	9.28	3.20	6.08	0.61		
GGA	1					6	9.39	5.39	4	168	173.67	
GGA	2					6	9.39	5.28	4.11	173.5		
GGA	3					6	9.38	5.15	4.23	179.5		
Q1804-01	1	No	6.30	6.69	20.20	5	9.26	6.62	2.64	120	120	pH Adjusted
Q1804-01	2					20	8.98	0.49	-	0		
Q1804-01	3					50	8.07	0.22	-	0		
Q1804-01	4					150	4.98	0.09	-	0		
Q1804-02	1	No	6.38	6.99	20.30	5	9.32	7.29	2.03	83.4	83.4	pH Adjusted
Q1804-02	2					20	8.95	0.75	-	0		
Q1804-02	3					50	8.07	0.35	-	0		
Q1804-02	4					150	4.98	0.15	-	0		
Q1810-02	1	No	9.55	7.39	20.70	5	9.47	4.54	4.93	257.4	183.22	pH Adjusted
Q1810-02	2					20	9.45	1.54	7.91	109.05		
Q1810-02	3					50	9.36	0.14	-	0		
Q1810-02	4					150	9.28	0.07	-	0		
Q1820-02	1	No	6.83	N/A	20.30	0.5	9.47	7.09	2.38	1044	965	
Q1820-02	2					1	9.40	5.49	3.91	981		
Q1820-02	3					2	9.33	2.89	6.44	870		
Q1820-02	4					3	9.22	0.07	-	0		
Q1820-02DUP	1	No	6.83	N/A	20.30	0.5	9.47	7.21	2.26	972	939	
Q1820-02DUP	2					1	9.40	5.60	3.8	948		
Q1820-02DUP	3					2	9.33	2.71	6.62	897		
Q1820-02DUP	4					3	9.20	0.07	-	0		
Q1822-01	1	No	5.95	6.82	20.20	5	9.45	7.99	-	0	47.9	pH Adjusted
Q1822-01	2					20	9.44	5.07	4.37	55.95		
Q1822-01	3					50	9.19	1.91	7.28	39.84		
Q1822-01	4					150	8.01	0.09	-	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)

16135459

WorkList Name : bod5-4-16 WorkList ID : 188953 Department : Wet-Chemistry Date : 04-16-2025 08:13:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1804-01	001-WILLETTS-PT-BLVD(APR)	Water	BOD5	Cool 4 deg C	TULL01	L31	04/10/2025	SM5210 B
Q1804-02	002-35TH-AVE(APR)	Water	BOD5	Cool 4 deg C	TULL01	L31	04/10/2025	SM5210 B
Q1810-02 M	MOO-25-0118	Water	BOD5	Cool 4 deg C	PSEG03	L51	04/14/2025	SM5210 B

Date/Time 04/16/2025 13:50
 Raw Sample Received by: RM (w/c)
 Raw Sample Relinquished by: JRCOC

Date/Time 04/16/2025 15:40
 Raw Sample Received by: JRCOC
 Raw Sample Relinquished by: RM (w/c)

WORKLIST(Hardcopy Internal Chain)

6135459

WorkList Name : bod5-04-16

WorkList ID : 188971

Department : Wet-Chemistry

Date : 04-16-2025 15:00:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1820-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L41	04/16/2025	SM5210 B
Q1822-01	TW-WTS-06	Water	BOD5	Cool 4 deg C	ENTA05	L21	04/15/2025	SM5210 B

Date/Time 04/16/2025 15.10
 Raw Sample Received by: RMW
 Raw Sample Relinquished by: JP(COC)

Date/Time 04/16/2025 15.40
 Raw Sample Received by: JP(COC)
 Raw Sample Relinquished by: RMW