

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 01/16/2025

QC BATCH ID: LB134301

BOD Water: WP111426

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111428

NaOH, 1N: WP111323

GGA: WP111427

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511064

pH Strips: W3140

Zero DO: WP111324

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: 9.85

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.94

After Incubation

Meter Calibration2: 9.93

Zero DO Reading2: 0.13 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB134301

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:50

TIME OUT: 14:00

DATE IN: 01/16/2025

DATE OUT: 01/21/2025

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
LB134301BL	1	No	6.57	N/A	20.70	300	9.93	9.92	0.01	0.01	0.01	
POLYSEED	1					10	9.91	6.97	2.94	0.59	0.74	
POLYSEED	2					15	9.87	4.06	5.81	0.77		
POLYSEED	3					20	9.84	1.16	8.68	0.87		
GGA	1					6	9.91	5.80	4.11	168.5	192.83	
GGA	2					6	9.90	5.70	4.2	173		
GGA	3					6	9.90	4.42	5.48	237		
Q1100-02	1	No	6.75	N/A	20.20	0.5	9.90	7.80	2.1	816	706.25	
Q1100-02	2					1	9.86	6.20	3.66	876		
Q1100-02	3					2	9.82	4.86	4.96	633		
Q1100-02	4					3	9.74	4.00	5.74	500		
Q1100-02DUP	1	No	6.75	N/A	20.20	0.5	9.90	7.82	2.08	804	700.13	
Q1100-02DUP	2					1	9.84	6.21	3.63	867		
Q1100-02DUP	3					2	9.81	4.88	4.93	628.5		
Q1100-02DUP	4					3	9.74	3.99	5.75	501		
Q1101-01	1	No	7.77	7.09	20.90	0.5	9.89	1.01	8.88	4884	4884	pH Adjusted
Q1101-01	2					1	9.84	0.10	-	0		
Q1101-01	3					2	9.80	0.08	-	0		
Q1101-01	4					5	9.64	0.06	-	0		
Q1101-01	5					10	9.34	0.02	-	0		
Q1101-05	1	No	5.20	6.97	20.60	0.01	9.72	7.83	-	0	9096	pH Adjusted
Q1101-05	2					0.05	9.70	6.79	2.91	13020		
Q1101-05	3					0.1	9.67	5.73	3.94	9600		
Q1101-05	4					0.5	9.64	1.12	8.52	4668		
Q1101-05	5					1	9.53	0.08	-	0		
Q1111-01	1	No	6.32	6.56	20.00	0.05	9.75	8.57	-	0	5186	pH Adjusted
Q1111-01	2					0.1	9.65	6.87	2.78	6120		
Q1111-01	3					0.2	9.62	5.14	4.48	5610		
Q1111-01	4					0.5	9.44	2.32	7.12	3828		
Q1111-01	5					1	9.31	0.06	-	0		
Q1113-01	1	No	7.07	N/A	20.00	5	9.73	8.37	-	0	17.81	
Q1113-01	2					20	9.71	7.18	2.53	26.85		
Q1113-01	3					50	9.70	6.60	3.1	14.16		
Q1113-01	4					150	9.68	2.73	6.95	12.42		
Q1113-03	1	No	6.99	N/A	20.00	5	9.86	8.11	-	0	48.31	
Q1113-03	2					20	9.80	5.31	4.49	56.25		
Q1113-03	3					50	9.78	2.31	7.47	40.38		
Q1113-03	4					150	9.76	0.93	-	0		
Q1113-05	1	No	6.87	N/A	20.00	5	9.69	8.75	-	0	9.02	
Q1113-05	2					20	9.62	7.90	-	0		
Q1113-05	3					50	9.59	6.99	2.6	11.16		

Q1113-05	4					150	9.43	5.25	4.18	6.88		
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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)

66134301

WorkList Name : BOD5-1-15

WorkList ID : 186921

Department : Wet-Chemistry

Date : 01-15-2025 16:55:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1100-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	M11	01/15/2025	SM5210 B
Q1101-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	01/15/2025	SM5210 B
Q1101-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	01/15/2025	SM5210 B
Q1111-01	DRAIN WATER TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	M11	01/16/2025	SM5210 B

Date/Time 01/16/2025 13:50
 Raw Sample Received by: RM (unc)
 Raw Sample Relinquished by: RM (unc)

Date/Time 01/16/2025 17:00
 Raw Sample Received by: RM (unc)
 Raw Sample Relinquished by: RM (unc)

WORKLIST(Hardcopy Internal Chain)

6134301

WorkList Name : bod5-1-16

WorkList ID : 186960

Department : Wet-Chemistry

Date : 01-16-2025 15:04:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1113-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	M11	01/16/2025	SM5210 B
Q1113-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	M11	01/16/2025	SM5210 B
Q1113-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	M11	01/16/2025	SM5210 B

Date/Time 01/16/2025 16:00
 Raw Sample Received by: RIM CWL
 Raw Sample Relinquished by: JH WEL

Date/Time 01/16/2025 16:00
 Raw Sample Received by: JH WEL
 Raw Sample Relinquished by: RIM CWL