

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/26/2024

QC BATCH ID: LB132618

BOD Water: WP109931

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109933

NaOH, 1N: WP108662

GGA: WP109932

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

Zero DO: WP109433

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	9.3	18.7	9.4	9.4

Meter Calibration1: 8.97

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.43

After Incubation

Meter Calibration2: 9.43

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132618

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 15:00

TIME OUT: 12:45

DATE IN: 09/26/2024

DATE OUT: 10/01/2024

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
LB132618BL	1	No	6.71	N/A	20.50	300	9.42	9.41	0.01	0.01	0.01	
POLYSEED	1					10	9.36	6.50	2.86	0.57	0.62	
POLYSEED	2					15	9.33	4.38	4.95	0.66		
POLYSEED	3					20	9.32	2.98	6.34	0.63		
GGA	1					6	9.33	5.19	4.14	176	176.33	
GGA	2					6	9.20	5.09	4.11	174.5		
GGA	3					6	9.19	5.00	4.19	178.5		
P4188-02	1	No	6.82	N/A	20.30	0.5	9.23	8.49	-	0	536	
P4188-02	2					1	9.17	7.48	-	0		
P4188-02	3					2	9.09	5.01	4.08	519		
P4188-02	4					3	9.01	2.86	6.15	553		
P4188-02DUP	1	No	6.82	N/A	20.30	0.5	9.21	8.26	-	0	523.25	
P4188-02DUP	2					1	9.16	7.32	-	0		
P4188-02DUP	3					2	9.08	5.19	3.89	490.5		
P4188-02DUP	4					3	9.00	2.82	6.18	556		
P4194-01	1	No	7.07	N/A	20.70	5	9.23	7.11	2.12	90	33.17	
P4194-01	2					20	9.09	7.04	2.05	21.45		
P4194-01	3					50	8.65	5.78	2.87	13.5		
P4194-01	4					150	6.00	1.51	4.49	7.74		
P4209-02	1	No	6.46	6.77	20.10	5	9.23	8.47	-	0	9.54	pH Adjusted
P4209-02	2					20	9.20	7.33	-	0		
P4209-02	3					50	9.08	6.87	2.21	9.54		
P4209-02	4					150	7.65	6.63	-	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)

L6132618

WorkList Name : bod9-26 WorkList ID : 183855 Department : Wet-Chemistry Date : 09-26-2024 09:43:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4188-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	J11	09/25/2024	SM5210 B
P4194-01	MANHOLE-119-KEARNY	Water	BOD5	Cool 4 deg C	PSEG03	J51	09/25/2024	SM5210 B
P4209-02	DRUM-2	Water	BOD5	Cool 4 deg C	PSEG03	J41	09/26/2024	SM5210 B

Date/Time 09/26/2024 13.10
Raw Sample Received by: RM cwc
Raw Sample Relinquished by: [Signature] cwc

Date/Time 09/26/2024 14.30
Raw Sample Received by: [Signature] cwc
Raw Sample Relinquished by: [Signature] cwc