

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 04/26/2024

QC BATCH ID: LB130524

BOD Water: WP107691

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107692

NaOH, 1N: WP106529

GGA: WP107693

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107608

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 9.27

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

Barometric Pressure1: 781 mmHg DO Meter BOD fluid reading for winkler comparison: 9.44

After Incubation

Meter Calibration2: 9.38

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130524

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 14:30

TIME OUT: 12:00

DATE IN: 04/26/2024

DATE OUT: 05/01/2024

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
LB130524BL	1	No	7.90	7.38	20.10	300	9.43	9.42	0.01	0.01	0.01	pH Adjusted
POLYSEED	1					10	9.36	6.02	3.34	0.67	0.64	
POLYSEED	2					15	9.34	4.59	4.75	0.63		
POLYSEED	3					20	9.31	3.02	6.29	0.63		
GGA	1					6	9.31	5.01	4.3	183	186.33	
GGA	2					6	9.31	4.92	4.39	187.5		
GGA	3					6	9.30	4.89	4.41	188.5		
P2283-05	1	No	7.9	7.38	20.10	5	9.40	8.69	-	0		pH Adjusted
P2283-05	2					20	9.39	7.87	-	0		
P2283-05	3					50	9.37	7.76	-	0		
P2283-05	4					150	9.36	7.68	-	0		
P2283-05DUP	1	No	7.9	7.38	20.10	5	9.39	8.45	-	0		pH Adjusted
P2283-05DUP	2					20	9.38	7.82	-	0		
P2283-05DUP	3					50	9.37	7.54	-	0		
P2283-05DUP	4					150	9.35	7.40	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

LB130524

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-04262024

WorkList ID : 179800

Department : Wet-Chemistry

Date : 04-26-2024 13:44:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2283-05	CONTAIN-WATER	Water	BOD5	Cool 4 deg C	PSEG03	I31	04/26/2024	SM5210 B

Date/Time 04.26.2024, 13:50

Raw Sample Received by: NF (wc)

Raw Sample Relinquished by: NF (wc)

Date/Time 04.26.2024, 15:00

Raw Sample Received by: NF (wc)

Raw Sample Relinquished by: NF (wc)