



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 03/07/2024

QC BATCH ID: LB129813

BOD Water: WP106864

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP106866

GGA: WP106865

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W2913

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR#3

GuageID: 0511064

Zero DO: WP106592

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.6	8.6	8.6
WINKLER 2	WINKLER 2	2	300	8.6	17.2	8.6	8.6

Meter Calibration1: 8.58

Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.69

After Incubation

Meter Calibration2: 8.60

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB129813

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 11:00

DATE IN: 03/07/2024

DATE OUT: 03/12/2024

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
LB129813BL	1	No	6.71	N/A	20.60	300	8.68	8.67	0.01	0.01	0.01	
POLYSEED	1					10	8.65	6.28	2.37	0.47	0.52	
POLYSEED	2					15	8.62	4.58	4.04	0.54		
POLYSEED	3					20	8.60	3.06	5.54	0.55		
GGA	1					6	8.62	4.68	3.94	171	174.17	
GGA	2					6	8.59	4.60	3.99	173.5		
GGA	3					6	8.58	4.50	4.08	178		
P1700-01	1	No	6.73	N/A	20.00	5	8.67	8.31	-	0		
P1700-01	2					20	8.65	8.20	-	0		
P1700-01	3					50	8.64	8.06	-	0		
P1700-01	4					150	8.63	8.01	-	0		
P1700-03	1	No	6.56	N/A	20.00	5	8.66	8.24	-	0		
P1700-03	2					20	8.65	8.14	-	0		
P1700-03	3					50	8.64	8.04	-	0		
P1700-03	4					150	8.62	7.98	-	0		
P1700-05	1	No	6.70	N/A	20.00	5	8.67	8.29	-	0	9.64	
P1700-05	2					20	8.65	8.20	-	0		
P1700-05	3					50	8.64	6.51	2.13	9.66		
P1700-05	4					150	8.61	3.28	5.33	9.62		
P1700-05DUP	1	No	6.70	N/A	20.00	5	8.66	8.34	-	0	9.33	
P1700-05DUP	2					20	8.65	8.16	-	0		
P1700-05DUP	3					50	8.63	6.60	2.03	9.06		
P1700-05DUP	4					150	8.62	3.30	5.32	9.6		

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.

6129813

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-0307 WorkList ID : 178451 Department : Wet-Chemistry Date : 03-07-2024 10:48:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1700-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	I21	03/07/2024	SM5210 B
P1700-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	I21	03/07/2024	SM5210 B
P1700-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	I21	03/07/2024	SM5210 B

Date/Time 03/07/2024 14:00
Raw Sample Received by: RM (W/L) 
Raw Sample Relinquished by: 

Date/Time 03/07/2024 15:30
Raw Sample Received by: 
Raw Sample Relinquished by: RM (W/L) 