

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 10/11/2024

QC BATCH ID: LB132886

BOD Water: WP110146

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP110148

GGA: WP110147

Chlorine Strips: W2965

pH Strips: W3104

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110006

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	9.6	19.00	9.4	9.4

Meter Calibration1: 9.49

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.49

After Incubation

Meter Calibration2: 9.14

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132886

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 11:00

TIME OUT: 09:10

DATE IN: 10/11/2024

DATE OUT: 10/16/2024

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
LB132886BL	1	No	6.82	N/A	20.10	300	9.48	9.47	0.01	0.01	0.01	
POLYSEED	1					10	9.46	6.65	2.81	0.56	0.54	
POLYSEED	2					15	9.44	5.02	4.42	0.59		
POLYSEED	3					20	9.41	4.61	4.8	0.48		
GGA	1					6	9.46	5.38	4.08	177	191.33	
GGA	2					6	9.40	5.21	4.19	182.5		
GGA	3					6	9.40	4.57	4.83	214.5		
P4386-01	1	No	6.90	N/A	20.00	5	9.46	8.88	-	0		
P4386-01	2					20	9.44	8.74	-	0		
P4386-01	3					50	9.42	8.62	-	0		
P4386-01	4					150	9.41	8.21	-	0		
P4386-03	1	No	7.26	N/A	20.00	5	9.46	8.59	-	0	9.55	
P4386-03	2					20	9.43	7.61	-	0		
P4386-03	3					50	9.41	6.60	2.81	13.62		
P4386-03	4					150	9.39	6.11	3.28	5.48		
P4386-04	1	No	6.76	N/A	20.00	5	9.45	8.97	-	0		
P4386-04	2					20	9.42	8.47	-	0		
P4386-04	3					50	9.40	8.02	-	0		
P4386-04	4					150	9.37	7.61	-	0		
P4386-04DUP	1	No	6.76	N/A	20.00	5	9.46	8.88	-	0		
P4386-04DUP	2					20	9.43	8.50	-	0		
P4386-04DUP	3					50	9.40	8.13	-	0		
P4386-04DUP	4					150	9.35	7.65	-	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)

65132886

WorkList Name : BOD5-10-24-

WorkList ID : 184327

Department : Wet-Chemistry

Date : 10-10-2024 17:02:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4386-01	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	K31	10/10/2024	SM5210 B
P4386-03	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	K31	10/10/2024	SM5210 B
P4386-04	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	K31	10/10/2024	SM5210 B

Date/Time 10/11/2024 09:00
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: APCW

Date/Time 10/11/2024 10:30
Raw Sample Received by: APCW
Raw Sample Relinquished by: RM CWC