

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 10/16/2024

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110006

QC BATCH ID: LB132966

BOD Water: WP110247

Starch: W3149

Sulfuric acid, 1N: WP108475

POLYSEED: WP110249

GGA: WP110248

Chlorine Strips: W2965

pH Strips: W3104

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	9.2	18.6	9.4	9.4

Meter Calibration1: 8.88 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: 9.31 Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 776 mmHg

QC BATCH ID: LB132966

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 17:10

TIME OUT: 12:00

DATE IN: 10/16/2024

DATE OUT: 10/21/2024

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
LB132966BL	1	No	6.79	N/A	20.50	300	9.48	9.46	0.02	0.02	0.02	
POLYSEED	1					10	9.45	6.69	2.76	0.55	0.54	
POLYSEED	2					15	9.42	5.64	3.78	0.5		
POLYSEED	3					20	9.40	3.69	5.71	0.57		
GGA	1					6	9.46	5.11	4.35	190.5	194.83	
GGA	2					6	9.44	5.01	4.43	194.5		
GGA	3					6	9.44	4.91	4.53	199.5		
P4405-01	1	No	7.13	N/A	20.40	5	9.46	8.92	-	0		
P4405-01	2					20	9.44	8.62	-	0		
P4405-01	3					50	9.42	8.69	-	0		
P4405-01	4					150	9.23	8.32	-	0		
P4423-02	1	No	6.75	N/A	20.00	0.5	9.23	8.88	-	0	303	
P4423-02	2					1	8.99	7.42	-	0		
P4423-02	3					2	8.89	7.28	-	0		
P4423-02	4					3	8.81	5.24	3.57	303		
P4423-02DUP	1	No	6.75	N/A	20.00	0.5	9.22	8.74	-	0	312	
P4423-02DUP	2					1	9.00	8.39	-	0		
P4423-02DUP	3					2	8.90	7.19	-	0		
P4423-02DUP	4					3	8.83	5.17	3.66	312		

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)

LB132966

WorkList Name : BOD5-10-16

WorkList ID : 184511

Department : Wet-Chemistry

Date : 10-16-2024 12:52:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4405-01	MH-121	Water	BOD5	Cool 4 deg C	PSEG03	K41	10/15/2024	SM5210 B

Date/Time 10/16/2024 15.15
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: JH W

Date/Time 10/16/2024 17.00
Raw Sample Received by: JH CWC
Raw Sample Relinquished by: RM CWC

WORKLIST(Hardcopy Internal Chain)

LB132966

WorkList Name : bod5-10-24*

WorkList ID : 184533

Department : Wet-Chemistry

Date : 10-16-2024 16:16:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4423-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	10/16/2024	SM5210 B

Date/Time 10/16/2024 16:45
Raw Sample Received by: RM (wg)
Raw Sample Relinquished by: JF (wg)

Date/Time 10/16/2024 17:00
Raw Sample Received by: JF (wg)
Raw Sample Relinquished by: RM (wg)