

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/03/2024

QC BATCH ID: LB130622

BOD Water: WP107760

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107762

NaOH, 1N: WP106529

GGA: WP107761

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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.42

Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.44

After Incubation

Meter Calibration2: 9.30

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB130622

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:30

TIME OUT: 12:30

DATE IN: 05/03/2024

DATE OUT: 05/08/2024

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
LB130622BL	1	No	6.7	N/A	20.00	300	9.43	9.43	0	0	0	
POLYSEED	1					10	9.34	6.46	2.88	0.58	0.7	
POLYSEED	2					15	9.30	3.59	5.71	0.76		
POLYSEED	3					20	9.20	1.64	7.56	0.76		
GGA	1					6	9.34	5.21	4.13	171.5	186.67	
GGA	2					6	9.34	4.82	4.52	191		
GGA	3					6	9.32	4.67	4.65	197.5		
P2382-01	1	No	5.79	6.55	20.00	5	9.35	7.92	-	0	84.45	pH Adjusted
P2382-01	2					20	9.03	2.70	6.33	84.45		
P2382-01	3					50	8.33	0.31	-	0		
P2382-01	4					150	5.36	0.28	-	0		
P2382-01DUP	1	No	5.79	6.55	20.00	5	9.33	7.81	-	0	87	pH Adjusted
P2382-01DUP	2					20	9.04	2.54	6.5	87		
P2382-01DUP	3					50	8.31	0.41	-	0		
P2382-01DUP	4					150	5.34	0.31	-	0		
P2382-02	1	No	5.98	7.08	20.00	5	9.34	7.93	-	0	48.6	pH Adjusted
P2382-02	2					20	9.21	5.27	3.94	48.6		
P2382-02	3					50	8.84	0.26	-	0		
P2382-02	4					150	6.99	0.24	-	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.

WORKLIST(Hardcopy Internal Chain)

LB130622

WorkList Name : BOD5-05032024 WorkList ID : 179990 Department : Wet-Chemistry Date : 05-03-2024 15:12:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2382-01	001-WILLETS-PT-BLVD(MAY)	Water	BOD5	Cool 4 deg C	TULL01	K21	05/02/2024	SM5210 B
P2382-02	002-35TH-AVE(MAY)	Water	BOD5	Cool 4 deg C	TULL01	K21	05/02/2024	SM5210 B

Date/Time 05.03.2022 , 16:12
 Raw Sample Received by: NF(wc)
 Raw Sample Relinquished by: JH(wc)

Date/Time 05.03.2022 , 16:30
 Raw Sample Received by: JH(wc)
 Raw Sample Relinquished by: NF(wc)