

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 06/20/2024

QC BATCH ID: LB131336

BOD Water: WP108498

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP108500

GGA: WP108499

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP106529

IncubatorID: INCUBATOR#3

GuageID: 0511064

Zero DO: WP108093

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	9.3	18.7	9.4	9.4

Meter Calibration1: 9.42

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.19

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB131336

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 13:30

TIME OUT: 13:30

DATE IN: 06/20/2024

DATE OUT: 06/25/2024

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
LB131336BL	1	No	6.70	N/A	20.30	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.42	6.47	2.95	0.59	0.64	
POLYSEED	2					15	9.40	4.56	4.84	0.65		
POLYSEED	3					20	9.37	2.68	6.69	0.67		
GGA	1					6	9.40	5.28	4.12	174	183.83	
GGA	2					6	9.40	5.03	4.37	186.5		
GGA	3					6	9.42	4.96	4.46	191		
P2966-02	1	No	8.87	7.40	20.30	0.5	9.40	6.94	2.46	1092	810.25	pH Adjusted
P2966-02	2					1	9.37	5.51	3.86	966		
P2966-02	3					2	9.31	4.15	5.16	678		
P2966-02	4					3	9.23	3.54	5.69	505		
P2966-02DUP	1	No	8.87	7.40	20.30	0.5	9.39	7.04	2.35	1026	800.88	pH Adjusted
P2966-02DUP	2					1	9.36	5.40	3.96	996		
P2966-02DUP	3					2	9.29	4.10	5.19	682.5		
P2966-02DUP	4					3	9.21	3.58	5.63	499		

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)

6131336

WorkList Name : BOD5-6-19

WorkList ID : 181196

Department : Wet-Chemistry

Date : 06-19-2024 09:42:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2966-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K11	06/19/2024	SM5210 B

Date/Time06/20/202412:00

Raw Sample Received by:RM

Raw Sample Relinquished by:RM

Date/Time06/20/202413:40

Raw Sample Received by:RM

Raw Sample Relinquished by:RM