



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB124029

Analysis Date: 02/10/2023

BOD Water: WP100964

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP100509

Sodium Thiosulfate, 0.025N: W2941

POLYSEED: WP100966

NaOH, 1N: WP99896

GGA: WP100965

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W2716

Zero DO: WP100617

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 8.54

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

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 8.78

After Incubation

Meter Calibration2: 8.64

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB124029

INCUBATOR TEMP IN(C): 19.7

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 12:10

DATE IN: 02/10/2023

DATE OUT: 02/15/2023

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
LB124029BL	1	No	6.90	N/A	20.00	300	8.76	8.75	0.01	0.01	0.01	
POLYSEED	1					10	8.64	4.72	3.92	0.78	0.62	
POLYSEED	2					15	8.61	4.26	4.35	0.58		
POLYSEED	3					20	8.59	3.68	4.91	0.49		
GGA	1					6	8.62	4.83	3.79	158.5	171.17	
GGA	2					6	8.60	4.53	4.07	172.5		
GGA	3					6	8.59	4.32	4.27	182.5		
O1531-01	1	No	7.03	N/A	20.10	0.5	8.75	5.83	2.92	1380	1267.5	
O1531-01	2					1	8.73	4.26	4.47	1155		
O1531-01	3					2	8.72	0.53	-	0		
O1531-01	4					5	8.55	0.13	-	0		
O1531-01	5					10	8.30	0.09	-	0		
O1531-05	1	No	5.62	7.20	20.20	0.01	8.74	7.93	-	0		pH Adjusted
O1531-05	2					0.05	8.73	7.12	-	0		
O1531-05	3					0.1	8.72	6.80	-	0		
O1531-05	4					0.5	8.71	0.50	-	0		
O1531-05	5					1	8.55	0.09	-	0		
O1531-05DUP	1	No	5.62	7.20	20.20	0.01	8.73	7.92	-	0		pH Adjusted
O1531-05DUP	2					0.05	8.72	7.11	-	0		
O1531-05DUP	3					0.1	8.71	6.79	-	0		
O1531-05DUP	4					0.5	8.70	0.49	-	0		
O1531-05DUP	5					1	8.56	0.10	-	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)

C6124029

WorkList Name : bod2-10

WorkList ID : 167305

Department: Wet-Chemistry

Date : 02-10-2023 12:42:40

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/12/2023	Water	O1531-01	BOD5	Cool 4 deg C	HOLL01	G12	EFFLUENT	02/10/2023	SM5210 B
02/12/2023	Water	O1531-05	BOD5	Cool 4 deg C	HOLL01	G12	INFLUENT	02/10/2023	SM5210 B

Date/Time 02/10/2023 14:35
 Raw Sample Received by: RM
 Raw Sample Relinquished by: GPC

Date/Time 02/10/2023 16:00
 Raw Sample Received by: GPC
 Raw Sample Relinquished by: RM