



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB130061

Analysis Date: 03/27/2024

BOD Water: WP107142

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107144

NaOH, 1N: WP106529

GGA: WP107143

IncubatorID: INCUBATOR#3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107046

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 8.52

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.32

After Incubation

Meter Calibration2: 8.92

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130061

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 10:45

TIME OUT: 13:00

DATE IN: 03/27/2024

DATE OUT: 04/01/2024

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
LB130061BL	1	No	6.67	N/A	20.60	300	9.31	9.29	0.02	0.02	0.02	
POLYSEED	1					10	9.29	6.30	2.99	0.6	0.63	
POLYSEED	2					15	9.27	4.41	4.86	0.65		
POLYSEED	3					20	9.25	2.91	6.34	0.63		
GGA	1					6	9.30	5.02	4.28	182.5	191.33	
GGA	2					6	9.29	4.80	4.49	193		
GGA	3					6	9.29	4.69	4.6	198.5		
P1872-01	1	No	7.62	7.40	20.00	0.5	9.29	7.28	2.01	828	676	pH Adjusted
P1872-01	2					1	9.25	6.18	3.07	732		
P1872-01	3					2	9.13	5.38	3.75	468		
P1872-01	4					5	8.89	0.63	-	0		
P1872-01	5					10	8.48	0.28	-	0		
P1872-05	1	No	4.46	6.69	20.00	0.01	9.30	7.72	-	0	14040	pH Adjusted
P1872-05	2					0.05	9.29	5.89	3.4	16620		
P1872-05	3					0.1	9.21	4.76	4.45	11460		
P1872-05	4					0.5	9.17	0.27	-	0		
P1872-05	5					1	9.02	0.23	-	0		
P1872-05DUP	1	No	4.46	6.69	20.00	0.01	9.30	7.80	-	0	14325	pH Adjusted
P1872-05DUP	2					0.05	9.27	5.80	3.47	17040		
P1872-05DUP	3					0.1	9.22	4.72	4.5	11610		
P1872-05DUP	4					0.5	9.17	0.30	-	0		
P1872-05DUP	5					1	9.05	0.25	-	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)

LB130061

WorkList Name : BOD5-0326

WorkList ID : 178846

Department : Wet-Chemistry

Date : 03-26-2024 15:06:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1872-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	P31	03/26/2024	SM5210 B
P1872-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	P31	03/26/2024	SM5210 B

Date/Time 03/27/2024 08:15
 Raw Sample Received by: [Signature] (unc)
 Raw Sample Relinquished by: [Signature] (unc)

Date/Time 03/27/2024 10:30
 Raw Sample Received by: [Signature] (unc)
 Raw Sample Relinquished by: [Signature] (unc)