

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 12/18/2024

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP111005

QC BATCH ID: LB133994

BOD Water: WP111125

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP111127

GGA: WP111126

Chlorine Strips: W3155

pH Strips: W3140

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.8	9.8	9.8
WINKLER 2	WINKLER 2	2	300	9.6	19.4	9.8	9.8

Meter Calibration1: 9.48 Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.81

After Incubation

Meter Calibration2: 9.18 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 776 mmHg

QC BATCH ID: LB133994

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.5

TIME IN: 16:30

TIME OUT: 13:00

DATE IN: 12/18/2024

DATE OUT: 12/23/2024

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
LB133994BL	1	No	6.51	N/A	20.70	300	9.80	9.78	0.02	0.02	0.02	
POLYSEED	1					10	9.74	6.87	2.87	0.57	0.66	
POLYSEED	2					15	9.73	4.56	5.17	0.69		
POLYSEED	3					20	9.69	2.54	7.15	0.72		
GGA	1					6	9.78	5.23	4.55	194.5	198	
GGA	2					6	9.76	5.20	4.56	195		
GGA	3					6	9.76	5.01	4.75	204.5		
P5320-02	1	No	6.83	N/A	20.00	0.5	9.78	7.48	2.3	984	758.38	
P5320-02	2					1	9.72	6.42	3.3	792		
P5320-02	3					2	9.69	5.14	4.55	583.5		
P5320-02	4					3	9.58	2.18	7.4	674		
P5320-02DUP	1	No	6.83	N/A	20.00	0.5	9.76	7.59	2.17	906	727.38	
P5320-02DUP	2					1	9.72	6.62	3.1	732		
P5320-02DUP	3					2	9.68	5.01	4.67	601.5		
P5320-02DUP	4					3	9.58	2.22	7.36	670		
P5340-01	1	No	8.02	7.43	20.20	0.01	9.8	9.67	-	0	19020	pH Adjusted
P5340-01	2					0.05	9.74	5.91	3.83	19020		
P5340-01	3					0.1	9.56	0.03	-	0		
P5340-01	4					0.5	9.68	0.59	-	0		
P5340-01	5					1	9.68	0.42	-	0		
P5340-05	1	No	4.70	6.89	20.40	0.01	9.76	7.60	2.16	45000	16317	pH Adjusted
P5340-05	2					0.05	9.73	7.58	2.15	8940		
P5340-05	3					0.1	9.71	6.26	3.45	8370		
P5340-05	4					0.5	9.65	4.06	5.59	2958		
P5340-05	5					1	9.54	0.19	-	0		

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.

LB133994

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod5-1218

WorkList ID : 186443

Department : Wet-Chemistry

Date : 12-18-2024 10:49:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5320-02 B	COMP	Water	BOD5	Cool 4 deg C	ARAM01	M11	12/18/2024	SM5210 B
P5340-01 D	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	12/18/2024	SM5210 B
P5340-05 B	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	12/18/2024	SM5210 B

Date/Time 12/18/2024 14:45
Raw Sample Received by: RM CWG
Raw Sample Relinquished by: H. G. G. G.

Date/Time 12/18/2024 16:00
Raw Sample Received by: J. W. C.
Raw Sample Relinquished by: RM CWG