



BOD5 LOG

ANALYST: Alexander

SUPERVISOR: apatel

Analysis Date: 03/19/2021

QC BATCH ID: LB113603

BOD Water: WP90092

Starch: W2703

Sulfuric acid, 1N: WP88863

POLYSEED: WP90094

GGA: WP90093

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: WP88904

NaOH, 1N: WP89214

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP89913

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.8	8.8	8.85
WINKLER 2	WINKLER 2	2	300	8.8	17.7	8.9	8.85

Meter Calibration1: 8.64

Barometric Pressure1: 765 mmHg

Zero DO Reading1: 0.04 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.98

After Incubation

Meter Calibration2: 8.86

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.03 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.97



QC BATCH ID: LB113603

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:02

TIME OUT: 11:00

DATE IN: 03/19/2021

DATE OUT: 03/24/2021

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
LB113603BL	1	No	6.0	N/A	21.20	300	8.98	8.97	0.01	0.01	0.01	
POLYSEED	1					10	8.96	5.31	3.65	0.73	0.67	
POLYSEED	2					15	8.93	4.26	4.67	0.62		
POLYSEED	3					20	8.89	2.29	6.6	0.66		
GGA	1					6	8.88	4.97	3.91	162	172.67	
GGA	2					6	8.91	4.89	4.02	167.5		
GGA	3					6	8.91	4.47	4.44	188.5		
M1724-04	1	No	7.0	N/A	18.20	1	8.97	7.86	-	0	24.34	
M1724-04	2					5	8.92	7.77	-	0		
M1724-04	3					20	8.73	6.23	2.5	27.45		
M1724-04	4					50	8.19	3.98	4.21	21.24		
M1724-04	5					150	5.92	0.13	-	0		
M1724-04DUP	1	No	7.0	N/A	18.20	1	8.95	7.89	-	0	23.91	
M1724-04DUP	2					5	8.90	7.79	-	0		
M1724-04DUP	3					20	8.70	6.25	2.45	26.7		
M1724-04DUP	4					50	8.18	3.99	4.19	21.12		
M1724-04DUP	5					150	5.90	0.11	-	0		
M1747-01	1	No	6.90	N/A	17.40	0.2	8.97	7.94	-	0	1164.75	
M1747-01	2					0.5	8.96	7.72	-	0		
M1747-01	3					1	8.97	3.20	5.77	1530		
M1747-01	4					2	8.98	2.98	6	799.5		
M1747-03	1	No	4.67	7.2	18.50	0.05	8.96	5.12	3.84	19020	17550	pH Adjusted
M1747-03	2					0.1	8.95	2.92	6.03	16080		
M1747-03	3					0.2	8.94	0.16	-	0		
M1747-03	4					0.5	8.92	0.14	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

LB113603

WORKLIST(Hardcopy Internal Chain)

Date : 03-19-2021 13:26:53

Department : Wet-Chemistry

WorkList ID : 147301

WorkList Name : BOD31921

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/20/2021	Water	M1724-04 J	BOD5	Cool 4 deg C	PSEG03	I21	P1679	03/18/2021	SM5210 B
03/20/2021	Water	M1747-01 C	BOD5	Cool 4 deg C	HOLL01	J12	EFFLUENT	03/18/2021	SM5210 B
03/20/2021	Water	M1747-03 B	BOD5	Cool 4 deg C	HOLL01	J12	INFLUENT	03/18/2021	SM5210 B

Date/Time 03/19/21 16:16
Received by: KS (Wetchem)
Relinquished by: JP (Wetchem)

Date/Time 03/19/21 16:40
Received by: SP (Wetchem)
Relinquished by: KS (Wetchem)