



BOD5 LOG

ANALYST: Alexander

SUPERVISOR: apatel

Analysis Date: 02/26/2021

QC BATCH ID: LB113290

BOD Water: WP89677

Starch: W2703

Sulfuric acid, 1N: W2609

POLYSEED: WP89679

GGA: WP89678

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: WP88904

NaOH, 1N: WP89699

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP89399

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.1	9.1	9
WINKLER 2	WINKLER 2	2	300	9.1	18.0	8.9	9

Meter Calibration1: 8.86

Barometric Pressure1: 765 mmHg

Zero DO Reading1: 0.05 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 9.13

After Incubation

Meter Calibration2: 8.89

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.06 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 9.07



QC BATCH ID: LB113290

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:55

TIME OUT: 11:30

DATE IN: 02/26/2021

DATE OUT: 03/03/2021

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
LB113290BL	1	No	6.0	N/A	20.90	300	9.13	8.99	0.14	0.14	0.14	
POLYSEED	1					10	9.12	5.19	3.93	0.79	0.75	
POLYSEED	2					15	9.10	3.69	5.41	0.72		
POLYSEED	3					20	9.07	1.66	7.41	0.74		
GGA	1					6	9.10	3.81	5.29	227	219	
GGA	2					6	9.10	4.01	5.09	217		
GGA	3					6	9.09	4.08	5.01	213		
M1510-01	1	No	6.0	N/A	19.80	1	9.13	8.28	-	0	3.04	
M1510-01	2					5	9.08	8.15	-	0		
M1510-01	3					20	9.06	7.92	-	0		
M1510-01	4					50	8.80	7.48	-	0		
M1510-01	5					150	7.68	5.41	2.27	3.04		
M1517-01	1	No	8.0	N/A	20.50	0.2	9.13	7.78	-	0	447.75	
M1517-01	2					0.5	9.10	7.59	-	0		
M1517-01	3					1	9.09	7.02	2.07	396		
M1517-01	4					2	9.08	5.00	4.08	499.5		
M1517-01DUP	1	No	8.0	N/A	20.50	0.2	9.12	7.69	-	0	464.25	
M1517-01DUP	2					0.5	9.11	7.45	-	0		
M1517-01DUP	3					1	9.10	6.98	2.12	411		
M1517-01DUP	4					2	9.08	4.88	4.2	517.5		
M1517-05	1	No	6.4	N/A	20.40	0.05	9.13	6.92	2.21	8760	9880	
M1517-05	2					0.1	9.12	4.59	4.53	11340		
M1517-05	3					0.2	9.10	1.99	7.11	9540		
M1517-05	4					0.5	9.10	0.10	-	0		

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

LB113290 WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-22621

WorkList ID : 146692

Department : Wet-Chemistry

Date : 02-26-2021 08:50:22

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
02/28/2021	Water	M1510-01	BOD5	Cool 4 deg C	RJIN01	H61	CITY-WATER	02/26/2021	SM5210 B
02/27/2021	Water	M1517-01	BOD5	Cool 4 deg C	HOLL01	H41	EFFLUENT	02/25/2021	SM5210 B
02/27/2021	Water	M1517-05	BOD5	Cool 4 deg C	HOLL01	H41	INFLUENT	02/25/2021	SM5210 B

Date/Time 02/26/2021 16:00
 Received by: AM (wet-chem)
 Relinquished by: CP (SMI)

Date/Time 02/26/2021 17:05
 Received by: CP (SMI)
 Relinquished by: AM (wet-chem)