



BOD5 LOG

ANALYST: Alexander

SUPERVISOR: apatel

Analysis Date: 12/16/2020

QC BATCH ID: LB112407

BOD Water: WP88632

Starch: W2703

Conc Sulfuric Acid: W2609

POLYSEED: WP88633

GGA: WP88634

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: WP87313

NaOH, 0.25N: WP86593

IncubatorID: INCUBATOR #3

GuageID: AZ55971

Zero DO: WP88411

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9
WINKLER 2	WINKLER 2	2	300	9.2	18.0	8.8	9

Meter Calibration1: 8.82

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 9.18

After Incubation

Meter Calibration2: 8.80

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.07 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 9.14



QC BATCH ID: LB112407

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 16:40

TIME OUT: 13:10

DATE IN: 12/16/2020

DATE OUT: 12/21/2020

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
LB112407BL	1	No	6.0	N/A	21.20	300	9.18	9.08	0.1	0.1	0.1	
POLYSEED	1					10	9.08	5.64	3.44	0.69	0.68	
POLYSEED	2					15	9.07	3.94	5.13	0.68		
POLYSEED	3					20	9.06	2.46	6.6	0.66		
GGA	1					6	9.08	4.28	4.8	206	206	
GGA	2					6	9.07	4.16	4.91	211.5	211.5	
GGA	3					6	9.07	4.22	4.85	208.5	208.5	
L5136-02	1	No	6.4	N/A	19.40	0.5	9.11	6.48	2.63	1170	1071.5	
L5136-02	2					1	9.11	4.95	4.16	1044		
L5136-02	3					2	9.07	1.72	7.35	1000.5		
L5136-02	4					3	9.05	0.08	-	0		
L5136-02DUP	1	No	6.4	N/A	19.40	0.5	9.10	6.42	2.68	1200	1078	
L5136-02DUP	2					1	9.10	4.88	4.22	1062		
L5136-02DUP	3					2	9.08	1.92	7.16	972		
L5136-02DUP	4					3	9.06	0.12	-	0		
L5139-01	1	No	5.3	7.2	20.10	5	9.09	8.68	-	0		pH Adjusted
L5139-01	2					20	9.07	8.42	-	0		
L5139-01	3					50	8.97	8.19	-	0		
L5139-01	4					150	8.62	7.83	-	0		
L5139-02	1	No	5.1	7.2	19.70	5	9.11	8.72	-	0		pH Adjusted
L5139-02	2					20	9.04	8.58	-	0		
L5139-02	3					50	9.06	8.43	-	0		
L5139-02	4					150	8.94	8.02	-	0		
L5139-03	1	No	5.2	7.2	19.90	5	8.99	8.82	-	0		pH Adjusted
L5139-03	2					20	9.09	8.79	-	0		
L5139-03	3					50	8.97	8.73	-	0		
L5139-03	4					150	8.94	8.52	-	0		

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-121620 WorkList ID : 145013 Department : Wet-Chemistry Date : 12-16-2020 13:53:53

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
12/18/2020	Water	L5136-02 <u>BB</u>	BOD5	Cool 4 deg C	ARAM01	L32	COMP	12/16/2020	SM5210 B
12/17/2020	Water	L5139-01 <u>C</u>	BOD5	Cool 4 deg C	TETR06	L51	BPOW3-3-20201215	12/15/2020	SM5210 B
12/17/2020	Water	L5139-02 <u>C</u>	BOD5	Cool 4 deg C	TETR06	L51	BPOW3-4-20201215	12/15/2020	SM5210 B
12/17/2020	Water	L5139-03 <u>C</u>	BOD5	Cool 4 deg C	TETR06	L51	RE115D2-20201215	12/15/2020	SM5210 B

Date/Time 12/16/2020 14:55
 Received by: AMCwetchem
 Relinquished by: JOCely-OLcom

Date/Time 12/16/2020 16:45
 Received by: JOCely-OLcom
 Relinquished by: AMCwetchem