



BOD5 LOG

ANALYST: Alexander

SUPERVISOR: apatel

Analysis Date: 12/11/2020

QC BATCH ID: LB112343

BOD Water: WP88544

Starch: W2703

Conc Sulfuric Acid: W2609

POLYSEED: WP88545

GGA: WP88546

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	9.0	9	8.85
WINKLER 2	WINKLER 2	2	300	9.0	17.7	8.7	8.85

Meter Calibration1: 8.57

Barometric Pressure1: 760 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.74

After Incubation

Meter Calibration2: 8.69

Barometric Pressure2: 765 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.70

QC BATCH ID: LB112343

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:50

TIME OUT: 14:30

DATE IN: 12/11/2020

DATE OUT: 12/16/2020

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
LB112343BL	1	No	6.0	N/A	21.20	300	8.73	8.62	0.11	0.11	0.11	
POLYSEED	1					10	8.62	5.20	3.42	0.68	0.73	
POLYSEED	2					15	8.54	2.68	5.86	0.78		
POLYSEED	3					20	8.47	1.23	7.24	0.72		
GGA	1					6	8.69	3.91	4.78	202.5	202.5	
GGA	2					6	8.69	4.53	4.16	171.5	171.5	
GGA	3					6	8.69	4.13	4.56	191.5	191.5	
L5011-01	1	No	6.4	N/A	21.40	0.1	8.72	8.68	-	0	363	
L5011-01	2					0.5	8.71	8.67	-	0		
L5011-01	3					1	8.70	6.64	2.06	399		
L5011-01	4					5	8.70	2.52	6.18	327		
L5011-01	5					10	8.68	0.10	-	0		
L5021-01	1	No	9.2	7.2	21.70	0.5	8.74	8.44	-	0	85.65	pH Adjusted
L5021-01	2					1	8.73	8.43	-	0		
L5021-01	3					5	8.70	6.44	2.26	91.8		
L5021-01	4					20	8.69	2.66	6.03	79.5		
L5021-01	5					50	8.57	0.09	-	0		
L5021-01DUP	1	No	9.2	7.2	21.50	0.5	8.72	8.59	-	0	78.53	pH Adjusted
L5021-01DUP	2					1	8.71	8.25	-	0		
L5021-01DUP	3					5	8.70	6.62	2.08	81		
L5021-01DUP	4					20	8.70	2.90	5.8	76.05		
L5021-01DUP	5					50	8.56	0.08	-	0		
L5058-01	1	No	6.4	N/A	21.80	0.5	8.72	7.83	-	0	74.7	
L5058-01	2					1	8.69	7.82	-	0		
L5058-01	3					2	8.68	7.80	-	0		
L5058-01	4					5	8.67	6.62	2.05	79.2		
L5058-01	5					10	8.64	5.57	3.07	70.2		
L5058-05	1	No	4.52	7.2	20.80	0.01	8.73	8.39	-	0	14475	pH Adjusted
L5058-05	2					0.05	8.70	5.23	3.47	16440		
L5058-05	3					0.1	8.70	3.80	4.9	12510		
L5058-05	4					0.5	8.65	0.08	-	0		
L5058-05	5					1	8.65	0.06	-	0		
L5076-01	1	No	8.0	N/A	20.60	0.5	8.73	7.73	-	0	115.13	
L5076-01	2					1	8.70	6.92	-	0		
L5076-01	3					5	8.68	5.79	2.89	129.6		
L5076-01	4					20	8.64	1.20	7.44	100.65		

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

LB112343 WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-121120 WorkList ID : 144851 Department : Wet-Chemistry Date : 12-11-2020 10:33:07

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
12/12/2020	Water	L5011-01 B	BOD5	Cool 4 deg C	PHAR02	L31	32220008-3	12/10/2020	SM5210 B
12/12/2020	Water	L5021-01 B	BOD5	Cool 4 deg C	PHAR02	L31	15220012-1	12/10/2020	SM5210 B
12/12/2020	Water	L5058-01 C	BOD5	Cool 4 deg C	HOLL01	L31	EFFLUENT	12/10/2020	SM5210 B
12/12/2020	Water	L5058-05 B	BOD5	Cool 4 deg C	HOLL01	L31	INFLUENT	12/10/2020	SM5210 B
12/13/2020	Water	L5076-01 A	BOD5	Cool 4 deg C	ARDM01	L51	EFF-WW	12/11/2020	SM5210 B

Date/Time 12/11/2020 16:45
Received by: AM (Wet-Chem)
Relinquished by: JG (Wet-Chem)

Date/Time 12/11/2020 17:55
Received by: JG (Wet-Chem)
Relinquished by: AM (Wet-Chem)