



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB122533

Analysis Date: 10/19/2022

BOD Water: WP99476

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2766

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP97258

Sodium Thiosulfate, 0.025N: W2843

POLYSEED: WP99478

NaOH, 1N: WP97250

GGA: WP99477

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W2716

Zero DO: WP99283

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.7	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.7	17.4	8.7	8.7

Meter Calibration1: 9.02

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 750 mmHg

Winkler titrated BOD fluid DO reading1: 8.75

After Incubation

Meter Calibration2: 9.16

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

Winkler titrated BOD fluid DO reading2: 8.67



QC BATCH ID: LB122533

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 15:50

TIME OUT: 16:15

DATE IN: 10/19/2022

DATE OUT: 10/24/2022

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
LB122533BL	1	No	6.8	N/A	20.20	300	8.72	8.62	0.1	0.1	0.1	
POLYSEED	1					10	8.65	4.12	4.53	0.91	0.8	
POLYSEED	2					15	8.65	3.11	5.54	0.74		
POLYSEED	3					20	8.62	1.17	7.45	0.75		
GGA	1					6	8.60	3.65	4.95	207.5	194.17	
GGA	2					6	8.69	3.64	5.05	212.5		
GGA	3					6	8.67	4.62	4.05	162.5		
N5164-01	1	No	8.15	7.10	20.40	5	8.70	8.00	-	0		pH Adjuste
N5164-01	2					20	8.69	7.98	-	0		
N5164-01	3					50	8.67	7.77	-	0		
N5164-01	4					150	8.66	7.75	-	0		
N5164-02	1	No	8.23	6.85	20.10	5	8.70	8.40	-	0		pH Adjuste
N5164-02	2					20	8.69	7.49	-	0		
N5164-02	3					50	8.69	7.47	-	0		
N5164-02	4					150	8.65	7.45	-	0		
N5166-01	1	No	8.21	7.14	20.20	5	8.71	8.60	-	0		pH Adjuste
N5166-01	2					20	8.68	8.53	-	0		
N5166-01	3					50	8.64	8.51	-	0		
N5166-01	4					150	8.62	8.50	-	0		
N5166-02	1	No	8.21	7.24	20.20	5	8.70	8.28	-	0		pH Adjuste
N5166-02	2					20	8.71	8.20	-	0		
N5166-02	3					50	8.68	7.84	-	0		
N5166-02	4					150	8.66	7.82	-	0		
N5176-01	1	No	7.53	7.14	20.30	5	8.70	8.41	-	0		pH Adjuste
N5176-01	2					20	8.65	8.11	-	0		
N5176-01	3					50	8.64	8.10	-	0		
N5176-01	4					150	8.63	7.04	-	0		
N5176-02	1	No	7.81	6.95	20.40	5	8.68	8.46	-	0		pH Adjuste
N5176-02	2					20	8.66	7.71	-	0		
N5176-02	3					50	8.65	7.69	-	0		
N5176-02	4					150	8.63	7.67	-	0		
N5189-01	1	No	7.66	7.20	20.60	5	8.65	8.49	-	0		pH Adjuste
N5189-01	2					20	8.62	8.48	-	0		
N5189-01	3					50	8.60	8.46	-	0		
N5189-01	4					150	8.59	7.84	-	0		
N5189-02	1	No	8.04	7.24	20.70	5	8.64	7.43	-	0		pH Adjuste
N5189-02	2					20	8.62	7.42	-	0		
N5189-02	3					50	8.63	7.40	-	0		
N5189-02	4					150	8.60	7.38	-	0		
N5189-02DUP	1	No	8.04	7.24	20.70	5	8.67	7.40	-	0		pH Adjuste
N5189-02DUP	2					20	8.64	7.38	-	0		

N5189-02DUP	3					50	8.63	7.37	-	0		
N5189-02DUP	4					150	8.61	7.35	-	0		

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

LB122533

### WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod1019

WorkList ID : 164196

Department : Wet-Chemistry

Date : 10-19-2022 13:41:12

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/15/2022	Water	N5164-01	BOD5	Cool 4 deg C	ENVI70	D11	588A-1	10/13/2022	SM5210 B
10/15/2022	Water	N5164-02	BOD5	Cool 4 deg C	ENVI70	D11	588A-2	10/13/2022	SM5210 B
10/15/2022	Water	N5166-01	BOD5	Cool 4 deg C	ENVI70	D11	5388-1	10/13/2022	SM5210 B
10/15/2022	Water	N5166-02	BOD5	Cool 4 deg C	ENVI70	D11	5388-2	10/13/2022	SM5210 B
10/19/2022	Water	N5176-01	BOD5	Cool 4 deg C	ENVI70	D11	5236-1	10/17/2022	SM5210 B
10/19/2022	Water	N5176-02	BOD5	Cool 4 deg C	ENVI70	D11	5236-2	10/17/2022	SM5210 B
10/20/2022	Water	N5189-01	BOD5	Cool 4 deg C	ENVI70	D11	1431-1	10/18/2022	SM5210 B
10/20/2022	Water	N5189-02	BOD5	Cool 4 deg C	ENVI70	D11	1431-2	10/18/2022	SM5210 B

Date/Time 10/19/22 13:45  
 Raw Sample Received by: SI(WC)  
 Raw Sample Relinquished by: CP(BM)

Date/Time 10/19/22 16:00  
 Raw Sample Received by: CP(BM)  
 Raw Sample Relinquished by: SI(WC)