

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB126000**Analysis Date:** 06/16/2023**BOD Water:** WP102955**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP102957**NaOH, 1N:** WP101216**GGA:** WP102956**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP102602

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	9.2
WINKLER 2	WINKLER 2	2	300	9.2	18.4	9.2	9.2

Meter Calibration1: 8.70

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.18

After Incubation

Meter Calibration2: 8.78

Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB126000

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:30

TIME OUT: 15:30

DATE IN: 06/16/2023

DATE OUT: 06/21/2023

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
LB126000BL	1	No	6.62	N/A	20.80	300	9.16	9.15	0.01	0.01	0.01	
POLYSEED	1					10	9.09	5.58	3.51	0.7	0.66	
POLYSEED	2					15	9.07	4.08	4.99	0.67		
POLYSEED	3					20	9.04	2.98	6.06	0.61		
GGA	1					6	9.05	4.48	4.57	195.5	213.17	
GGA	2					6	9.03	4.06	4.97	215.5		
GGA	3					6	9.01	3.78	5.23	228.5		
O3318-01	1	No	5.13	6.84	20.10	0.5	9.02	8.85	-	0		pH Adjusted
O3318-01	2					1	9.00	8.15	-	0		
O3318-01	3					2	8.95	7.96	-	0		
O3318-01	4					5	8.86	7.81	-	0		
O3318-01	5					10	8.75	7.64	-	0		
O3318-01DUP	1	No	5.13	6.84	20.10	0.5	9.13	8.94	-	0		pH Adjusted
O3318-01DUP	2					1	9.07	8.23	-	0		
O3318-01DUP	3					2	8.89	7.92	-	0		
O3318-01DUP	4					5	8.80	7.90	-	0		
O3318-01DUP	5					10	8.71	7.56	-	0		
O3318-05	1	No	4.31	6.61	20.20	0.01	8.90	8.13	-	0	4680	pH Adjusted
O3318-05	2					0.05	8.83	7.88	-	0		
O3318-05	3					0.1	8.79	6.57	2.22	4680		
O3318-05	4					0.5	8.76	0.53	-	0		
O3318-05	5					1	8.68	0.29	-	0		
O3324-02	1	No	6.75	N/A	20.20	0.5	9.13	8.17	-	0	356	
O3324-02	2					1	9.03	7.09	-	0		
O3324-02	3					2	9.01	5.89	3.12	369		
O3324-02	4					3	9.00	4.91	4.09	343		

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

NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

66126000

WorkList Name : bod-6-16

WorkList ID : 170935

Department : Wet-Chemistry

Date : 06-16-2023 08:06:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3318-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	G11	06/16/2023	SM5210 B
O3318-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	G11	06/16/2023	SM5210 B
O3324-02	EFF-WW	Water	BOD5	Cool 4 deg C	ARDM01	D21	06/16/2023	SM5210 B

Date/Time 06/16/2023 15:00
 Raw Sample Received by: Rm Javed
 Raw Sample Relinquished by: Jd CDE

Date/Time 06/16/2023 17:40
 Raw Sample Received by: Jd CDE
 Raw Sample Relinquished by: Rm Javed