

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB124977**Analysis Date:** 04/14/2023**BOD Water:** WP101966**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2941**POLYSEED:** WP101868**NaOH, 1N:** WP101216**GGA:** WP101967**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP101527

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.62

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.46

After Incubation

Meter Calibration2: 8.91

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB124977

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:20

TIME OUT: 14:40

DATE IN: 04/14/2023

DATE OUT: 04/19/2023

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
LB124977BL	1	No	6.86	N/A	20.60	300	9.45	9.44	0.01	0.01	0.01	
POLYSEED	1					10	9.43	6.18	3.25	0.65	0.6	
POLYSEED	2					15	9.42	4.98	4.44	0.59		
POLYSEED	3					20	9.31	3.82	5.49	0.55		
GGA	1					6	9.42	4.77	4.65	202.5	207.17	
GGA	2					6	9.41	4.72	4.69	204.5		
GGA	3					6	9.40	4.51	4.89	214.5		
O2344-02	1	No	6.77	N/A	20.30	5	9.44	8.76	-	0		
O2344-02	2					20	9.43	8.74	-	0		
O2344-02	3					50	9.42	8.46	-	0		
O2344-02	4					150	9.40	7.49	-	0		
O2344-02DUP	1	No	6.77	N/A	20.30	5	9.43	8.75	-	0		
O2344-02DUP	2					20	9.42	8.74	-	0		
O2344-02DUP	3					50	9.41	8.45	-	0		
O2344-02DUP	4					150	9.40	7.48	-	0		
O2344-04	1	No	7.24	N/A	20.20	5	9.44	8.99	-	0		
O2344-04	2					20	9.43	8.98	-	0		
O2344-04	3					50	9.42	8.75	-	0		
O2344-04	4					150	9.41	8.50	-	0		
O2344-06	1	No	7.06	N/A	20.60	5	9.44	9.21	-	0	8.24	
O2344-06	2					20	9.42	9.15	-	0		
O2344-06	3					50	9.41	6.75	2.66	12.36		
O2344-06	4					150	9.40	6.74	2.66	4.12		
O2367-01	1	No	7.81	7.30	20.60	0.5	9.44	8.26	-	0	750	pH Adjusted
O2367-01	2					1	9.40	7.29	2.11	453		
O2367-01	3					2	9.36	1.78	7.58	1047		
O2367-01	4					5	9.05	0.20	-	0		
O2367-01	5					10	8.35	0.17	-	0		
O2367-05	1	No	4.83	6.94	20.60	0.01	9.44	8.42	-	0	4830	pH Adjusted
O2367-05	2					0.05	9.42	7.85	-	0		
O2367-05	3					0.1	9.41	7.20	2.21	4830		
O2367-05	4					0.5	9.11	0.68	-	0		
O2367-05	5					1	8.61	0.16	-	0		

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)

WorkList Name : bod-4-14

WorkList ID : 169052

Department : Wet-Chemistry

Date : 04-14-2023 07:56:40

LB124977

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/15/2023	Water	O2344-02	BOD5	Cool 4 deg C	PSEG04	M11	DSN001	04/13/2023	SM5210 B
04/15/2023	Water	O2344-04	BOD5	Cool 4 deg C	PSEG04	M11	DSN002	04/13/2023	SM5210 B
04/15/2023	Water	O2344-06	BOD5	Cool 4 deg C	PSEG04	M11	DSN003	04/13/2023	SM5210 B
04/16/2023	Water	O2367-01	BOD5	Cool 4 deg C	HOLL01	M11	EFFLUENT	04/14/2023	SM5210 B
04/16/2023	Water	O2367-05	BOD5	Cool 4 deg C	HOLL01	M11	INFLUENT	04/14/2023	SM5210 B

Date/Time 04/14/2023 15:00
 Raw Sample Received by: Rm cwe
 Raw Sample Relinquished by: JH(cw)

Date/Time 04/14/2023 16:30
 Raw Sample Received by: JH(cw)
 Raw Sample Relinquished by: Rm cwe