

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 05/05/2023**QC BATCH ID:** LB125310**BOD Water:** WP102313**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102315**GGA:** WP102314**Chlorine Strips:** W2011**pH Strips:** W3006**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP101216**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP102042

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: 9.00

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.25

After Incubation

Meter Calibration2: 8.92

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB125310

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 14:00

TIME OUT: 15:00

DATE IN: 05/05/2023

DATE OUT: 05/10/2023

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
LB125310BL	1	No	6.78	N/A	20.50	300	9.24	9.23	0.01	0.01	0.01	
POLYSEED	1					10	9.10	6.58	2.52	0.5	0.52	
POLYSEED	2					15	9.07	5.23	3.84	0.51		
POLYSEED	3					20	9.06	3.58	5.48	0.55		
GGA	1					6	9.12	4.31	4.81	214.5	220.83	
GGA	2					6	9.10	4.26	4.84	216		
GGA	3					6	9.09	3.93	5.16	232		
O2618-02	1	No	6.64	N/A	20.70	5	9.16	8.78	-	0	6.89	
O2618-02	2					20	9.15	8.61	-	0		
O2618-02	3					50	9.14	6.90	2.24	10.32		
O2618-02	4					150	9.13	6.88	2.25	3.46		
O2618-02DUP	1	No	6.64	N/A	20.70	5	9.17	8.77	-	0	6.8	
O2618-02DUP	2					20	9.14	8.62	-	0		
O2618-02DUP	3					50	9.13	6.91	2.22	10.2		
O2618-02DUP	4					150	9.12	6.90	2.22	3.4		
O2618-04	1	No	7.40	N/A	20.60	5	9.17	8.80	-	0		
O2618-04	2					20	9.16	8.76	-	0		
O2618-04	3					50	9.15	8.44	-	0		
O2618-04	4					150	9.14	7.48	-	0		
O2618-06	1	No	7.15	N/A	20.70	5	9.19	8.59	-	0		
O2618-06	2					20	9.15	8.57	-	0		
O2618-06	3					50	9.14	8.56	-	0		
O2618-06	4					150	9.13	8.00	-	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-5-5

WorkList ID : 169679

Department : Wet-Chemistry

Date : 05-05-2023 08:23:00

66125310

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/06/2023	Water	O2618-02	BOD5	Cool 4 deg C	PSEG04	O11	DSN001	05/04/2023	SM5210 B
05/06/2023	Water	O2618-04	BOD5	Cool 4 deg C	PSEG04	O11	DSN002	05/04/2023	SM5210 B
05/06/2023	Water	O2618-06	BOD5	Cool 4 deg C	PSEG04	O11	DSN003	05/04/2023	SM5210 B

Date/Time 05/05/2023 12:00
 Raw Sample Received by: Rm aue
 Raw Sample Relinquished by: JPLC/SC/

Date/Time 05/05/2023 14:10
 Raw Sample Received by: JPLC/SC/
 Raw Sample Relinquished by: Rm/Carer