

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB125865**Analysis Date:** 06/08/2023**BOD Water:** WP102845**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP102847**NaOH, 1N:** WP101216**GGA:** WP102846**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	8.8	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.8	17.6	8.8	8.8

Meter Calibration1: 8.92

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

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.82

After Incubation

Meter Calibration2: 8.56

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB125865

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:45

TIME OUT: 14:00

DATE IN: 06/08/2023

DATE OUT: 06/13/2023

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
LB125865BL	1	No	6.63	N/A	20.60	300	8.81	8.79	0.02	0.02	0.02	
POLYSEED	1					10	8.73	5.08	3.65	0.73	0.66	
POLYSEED	2					15	8.71	3.58	5.13	0.68		
POLYSEED	3					20	8.68	2.88	5.8	0.58		
GGA	1					6	8.58	4.68	3.9	162	177.33	
GGA	2					6	8.54	4.28	4.26	180		
GGA	3					6	8.52	4.06	4.46	190		
O3111-02	1	No	6.65	N/A	20.00	5	8.78	7.96	-	0	4.2	
O3111-02	2					20	8.77	7.86	-	0		
O3111-02	3					50	8.74	7.20	-	0		
O3111-02	4					150	8.72	5.96	2.76	4.2		
O3111-02DUP	1	No	6.65	N/A	20.00	5	8.77	7.88	-	0	4.34	
O3111-02DUP	2					20	8.75	7.84	-	0		
O3111-02DUP	3					50	8.72	7.14	-	0		
O3111-02DUP	4					150	8.70	5.87	2.83	4.34		
O3111-04	1	No	7.21	N/A	20.00	5	8.68	7.59	-	0	7.98	
O3111-04	2					20	8.61	7.55	-	0		
O3111-04	3					50	8.59	6.68	-	0		
O3111-04	4					150	8.56	3.91	4.65	7.98		
O3111-06	1	No	7.04	N/A	20.00	5	8.71	7.73	-	0		
O3111-06	2					20	8.55	7.54	-	0		
O3111-06	3					50	8.53	7.47	-	0		
O3111-06	4					150	8.52	7.06	-	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)

06125865

WorkList Name : BOD-06-08

WorkList ID : 170701

Department : Wet-Chemistry

Date : 06-08-2023 13:42:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3111-02 C	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	G11	06/08/2023	SM5210 B
O3111-04 C	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	G11	06/08/2023	SM5210 B
O3111-06 D	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	G11	06/08/2023	SM5210 B

Date/Time 06/08/2023 14:30
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JP (CWC)

Date/Time 06/08/2023 16:50
 Raw Sample Received by: JP (CWC)
 Raw Sample Relinquished by: RM (CWC)