

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 05/19/2023**QC BATCH ID:** LB125560**BOD Water:** WP102540**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102542**GGA:** WP102541**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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.92

Zero DO Reading1: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.01

Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB125560

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 16:30

TIME OUT: 13:30

DATE IN: 05/19/2023

DATE OUT: 05/24/2023

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
LB125560BL	1	No	6.84	N/A	20.70	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.37	6.12	3.25	0.65	0.56	
POLYSEED	2					15	9.33	5.35	3.98	0.53		
POLYSEED	3					20	9.27	4.21	5.06	0.51		
GGA	1					6	9.38	5.26	4.12	178	189.33	
GGA	2					6	9.36	4.98	4.38	191		
GGA	3					6	9.35	4.81	4.54	199		
O2840-06	1	No	6.66	N/A	20.20	5	9.35	8.68	-	0	15.36	
O2840-06	2					20	9.22	8.39	-	0		
O2840-06	3					50	8.67	5.55	3.12	15.36		
O2840-06	4					150	6.77	0.16	-	0		
O2872-01	1	No	7.83	6.85	20.00	1	9.35	9.06	-	0	51	pH Adjusted
O2872-01	2					2	9.31	8.87	-	0		
O2872-01	3					5	9.30	8.56	-	0		
O2872-01	4					10	9.29	7.03	2.26	51		
O2872-02	1	No	7.21	N/A	20.00	1	9.31	9.02	-	0		
O2872-02	2					2	9.30	8.63	-	0		
O2872-02	3					5	9.29	8.55	-	0		
O2872-02	4					10	9.28	8.37	-	0		
O2872-02DUP	1	No	7.21	N/A	20.00	1	9.32	9.00	-	0		
O2872-02DUP	2					2	9.31	8.62	-	0		
O2872-02DUP	3					5	9.30	8.54	-	0		
O2872-02DUP	4					10	9.29	8.37	-	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)

6125580

WorkList Name : bod-5-19

WorkList ID : 170132

Department : Wet-Chemistry

Date : 05-19-2023 08:22:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O2840-06	GROUND-WATER	Water	BOD5	Cool 4 deg C	PSEG03	O11	05/18/2023	SM5210 B
O2872-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	N11	05/18/2023	SM5210 B
O2872-02	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	N11	05/18/2023	SM5210 B

Date/Time 05/19/2023 15:10
 Raw Sample Received by: RM
 Raw Sample Relinquished by: JDL

Date/Time 05/19/2023 16:40
 Raw Sample Received by: JDL
 Raw Sample Relinquished by: RM