

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 02/09/2023**QC BATCH ID:** LB124005**BOD Water:** WP100942**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100944**GGA:** WP100943**Chlorine Strips:** W2011**pH Strips:** W2833**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP98644**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP100617

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.80	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.80	17.6	8.8	8.8

Meter Calibration1: 9.24

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 8.78

After Incubation

Meter Calibration2: 8.75

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB124005

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:30

TIME OUT: 13:00

DATE IN: 02/09/2023

DATE OUT: 02/14/2023

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
LB124005BL	1	No	6.80	N/A	20.00	300	8.77	8.76	0.01	0.01	0.01	
POLYSEED	1					10	8.58	4.63	3.95	0.79	0.63	
POLYSEED	2					15	8.57	4.17	4.4	0.59		
POLYSEED	3					20	8.55	3.56	4.99	0.5		
GGA	1					6	8.43	4.27	4.16	176.5	176.33	
GGA	2					6	8.42	4.21	4.21	179		
GGA	3					6	8.27	4.17	4.1	173.5		
O1484-02	1	No	7.01	N/A	20.10	0.5	8.56	4.81	3.75	1872	1578	
O1484-02	2					1	8.55	3.64	4.91	1284		
O1484-02	3					2	8.45	0.32	-	0		
O1484-02	4					3	8.44	0.28	-	0		
O1495-01	1	No	8.22	7.22	20.20	5	8.76	8.34	-	0		pH Adjusted
O1495-01	2					20	8.74	8.04	-	0		
O1495-01	3					50	7.73	7.65	-	0		
O1495-01	4					150	7.72	6.76	-	0		
O1496-02	1	No	6.43	6.70	20.00	5	8.70	7.08	-	0		pH Adjusted
O1496-02	2					20	8.69	7.07	-	0		
O1496-02	3					50	8.68	7.06	-	0		
O1496-02	4					150	8.67	7.05	-	0		
O1496-02DUP	1	No	6.43	6.70	20.00	5	8.71	7.07	-	0		pH Adjusted
O1496-02DUP	2					20	8.70	7.06	-	0		
O1496-02DUP	3					50	8.69	7.05	-	0		
O1496-02DUP	4					150	8.68	7.04	-	0		
O1496-04	1	No	7.22	N/A	20.10	5	8.70	7.86	-	0	2.84	
O1496-04	2					20	8.69	7.01	-	0		
O1496-04	3					50	8.65	7.00	-	0		
O1496-04	4					150	8.55	6.50	2.05	2.84		
O1496-06	1	No	6.92	N/A	20.10	5	8.71	7.95	-	0		
O1496-06	2					20	8.70	7.58	-	0		
O1496-06	3					50	8.69	7.57	-	0		
O1496-06	4					150	8.68	7.56	-	0		
O1500-01	1	No	7.04	N/A	20.20	5	8.57	7.20	-	0	69.6	
O1500-01	2					20	8.26	2.99	5.27	69.6		
O1500-01	3					50	7.37	0.29	-	0		
O1500-01	4					150	4.31	0.23	-	0		
O1500-02	1	No	7.03	N/A	20.20	5	8.61	6.66	-	0	69.6	
O1500-02	2					20	8.23	2.96	5.27	69.6		
O1500-02	3					50	7.24	0.27	-	0		
O1500-02	4					150	3.73	0.20	-	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)

6124005

WorkList Name : BOD2-8

WorkList ID : 167235

Department : Wet-Chemistry

Date : 02-08-2023 16:43:30

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/10/2023	Water	O1484-02 B	BOD5	Cool 4 deg C	ARAM01	F42	COMP	02/08/2023	SM5210 B
02/10/2023	Water	O1495-01 C	BOD5	Cool 4 deg C	INFR01	F42	WEEKLY-OUTFALL-002	02/08/2023	SM5210 B
02/10/2023	Water	O1496-02 F	BOD5	Cool 4 deg C	PSEG04	F22	DSN001	02/08/2023	SM5210 B
02/10/2023	Water	O1496-04 G	BOD5	Cool 4 deg C	PSEG04	F22	DSN002	02/08/2023	SM5210 B
02/10/2023	Water	O1496-06 F	BOD5	Cool 4 deg C	PSEG04	F22	DSN003	02/08/2023	SM5210 B
02/10/2023	Water	O1500-01 E	BOD5	Cool 4 deg C	TULL01	G11	001-WILLETTS-PT-BLVD(FEB)	02/08/2023	SM5210 B
02/10/2023	Water	O1500-02 F	BOD5	Cool 4 deg C	TULL01	G11	002-35TH-AVE(FEB)	02/08/2023	SM5210 B

Date/Time 02/09/2023 14:40
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: CWC

Date/Time 02/06/202 16:30
 Raw Sample Received by: CWC
 Raw Sample Relinquished by: RM CWC