

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 01/27/2023**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP98644**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP100617**QC BATCH ID:** LB123841**BOD Water:** WP100779**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100781**GGA:** WP100780**Chlorine Strips:** W2011**pH Strips:** W2833

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 8.51Barometric Pressure1: 765 mmHgZero DO Reading1: 0.09 mg/L (<=0.2 Criteria)Winkler titrated BOD fluid DO reading1: 8.76**After Incubation**Meter Calibration2: 8.54Barometric Pressure2: 771 mmHgZero DO Reading2: 0.08 mg/L (<=0.2 Criteria)Winkler titrated BOD fluid DO reading2: 8.75



QC BATCH ID: LB123841

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:10

TIME OUT: 15:20

DATE IN: 01/27/2023

DATE OUT: 02/01/2023

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
LB123841BL	1	No	6.90	N/A	20.00	300	8.75	8.73	0.02	0.02	0.02	
POLYSEED	1					10	8.49	4.82	3.67	0.73	0.56	
POLYSEED	2					15	8.27	4.30	3.97	0.53		
POLYSEED	3					20	8.15	3.92	4.23	0.42		
GGA	1					6	8.32	4.27	4.05	174.5	176	
GGA	2					6	8.29	4.20	4.09	176.5		
GGA	3					6	8.26	4.16	4.1	177		
O1320-01	1	No	7.96	7.32	20.20	5	8.61	7.91	-	0	18.14	pH Adjusted
O1320-01	2					20	8.30	5.39	2.91	35.25		
O1320-01	3					50	7.84	5.37	2.47	11.46		
O1320-01	4					150	5.50	1.08	4.42	7.72		
O1327-01	1	No	7.56	7.10	20.20	5	8.67	7.79	-	0	14.98	pH Adjusted
O1327-01	2					20	8.63	6.13	2.5	29.1		
O1327-01	3					50	8.49	5.91	2.58	12.12		
O1327-01	4					150	8.31	5.89	2.42	3.72		
O1347-01	1	No	7.17	N/A	20.10	0.5	8.60	4.57	4.03	2082	1990.5	
O1347-01	2					1	8.59	1.70	6.89	1899		
O1347-01	3					2	8.45	0.26	-	0		
O1347-01	4					5	8.23	0.23	-	0		
O1347-01	5					10	7.82	0.22	-	0		
O1347-05	1	No	6.17	6.80	20.20	0.01	8.63	7.86	-	0	4293	pH Adjusted
O1347-05	2					0.05	8.62	7.21	-	0		
O1347-05	3					0.1	8.61	6.41	2.2	4920		
O1347-05	4					0.5	8.60	1.93	6.67	3666		
O1347-05	5					1	8.56	0.21	-	0		
O1347-05DUP	1	No	6.17	6.80	20.20	0.01	8.64	7.88	-	0	4326	pH Adjusted
O1347-05DUP	2					0.05	8.63	7.22	-	0		
O1347-05DUP	3					0.1	8.62	6.40	2.22	4980		
O1347-05DUP	4					0.5	8.60	1.92	6.68	3672		
O1347-05DUP	5					1	8.58	0.22	-	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)

66123841

WorkList Name : bod1-26

WorkList ID : 166867

Department : Wet-Chemistry

Date : 01-26-2023 08:24:41

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/27/2023	Water	O1320-01	☐ BOD5	Cool 4 deg C	PSEG03	D12	TOTE-COMP-0126	01/26/2023	SM5210 B
01/28/2023	Water	O1327-01	☐ BOD5	Cool 4 deg C	PSEG03	D12	N48965	01/26/2023	SM5210 B
01/29/2023	Water	O1347-01	☐ BOD5	Cool 4 deg C	HOLL01	D21	EFFLUENT	01/27/2023	SM5210 B
01/29/2023	Water	O1347-05	☐ BOD5	Cool 4 deg C	HOLL01	D21	INFLUENT	01/27/2023	SM5210 B

Date/Time 01/27/2023 15:05
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: APW

Date/Time 01/27/2023 16:15
 Raw Sample Received by: PWC
 Raw Sample Relinquished by: RM CWC