

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 06/02/2023**QC BATCH ID:** LB125777**BOD Water:** WP102740**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102742**GGA:** WP102741**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:** 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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.57

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 8.89

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB125777

INCUBATOR TEMP IN(C): 20.7

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 19:00

TIME OUT: 14:00

DATE IN: 06/02/2023

DATE OUT: 06/07/2023

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
LB125777BL	1	No	6.74	N/A	20.50	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.40	6.12	3.28	0.66	0.64	
POLYSEED	2					15	9.37	4.62	4.75	0.63		
POLYSEED	3					20	9.33	3.10	6.23	0.62		
GGA	1					6	9.23	5.02	4.21	178.5	187.67	
GGA	2					6	9.23	4.89	4.34	185		
GGA	3					6	9.20	4.57	4.63	199.5		
O3012-04	1	No	9.37	7.40	20.60	5	9.21	8.53	-	0	21.9	pH Adjusted
O3012-04	2					20	9.18	8.01	-	0		
O3012-04	3					50	9.17	4.88	4.29	21.9		
O3012-04	4					150	9.14	0.96	-	0		
O3012-04DUP	1	No	9.37	7.40	20.60	5	9.24	8.50	-	0	21.84	pH Adjusted
O3012-04DUP	2					20	9.21	8.00	-	0		
O3012-04DUP	3					50	9.17	4.89	4.28	21.84		
O3012-04DUP	4					150	9.13	0.95	-	0		
O3019-01	1	No	6.64	N/A	20.50	5	9.43	8.89	-	0	4.06	
O3019-01	2					20	9.36	8.45	-	0		
O3019-01	3					50	9.12	7.80	-	0		
O3019-01	4					150	8.51	5.84	2.67	4.06		
O3030-01	1	No	4.81	6.72	20.20	0.5	9.38	8.87	-	0	99.3	pH Adjusted
O3030-01	2					1	9.33	8.57	-	0		
O3030-01	3					2	9.32	7.83	-	0		
O3030-01	4					5	8.99	7.40	-	0		
O3030-01	5					10	8.52	4.57	3.95	99.3		
O3030-05	1	No	4.16	6.79	20.30	0.01	9.19	9.01	-	0	3468	pH Adjusted
O3030-05	2					0.05	9.17	8.92	-	0		
O3030-05	3					0.1	9.10	8.47	-	0		
O3030-05	4					0.5	8.79	2.37	6.42	3468		
O3030-05	5					1	8.28	0.22	-	0		
O3033-01	1	No	6.39	6.70	20.70	5	8.99	6.94	2.05	84.6	86.32	pH Adjusted
O3033-01	2					20	8.74	2.23	6.51	88.05		
O3033-01	3					50	8.06	0.12	-	0		
O3033-01	4					150	5.40	0.09	-	0		
O3033-02	1	No	6.48	6.67	20.80	5	8.95	7.17	-	0	85.65	pH Adjusted
O3033-02	2					20	8.58	2.23	6.35	85.65		
O3033-02	3					50	7.73	0.12	-	0		
O3033-02	4					150	4.45	0.10	-	0		
O3037-01	1	No	6.70	N/A	20.40	5	9.43	9.08	-	0		
O3037-01	2					20	9.42	8.89	-	0		
O3037-01	3					50	9.41	8.28	-	0		
O3037-01	4					150	9.39	7.88	-	0		

O3037-03	1	No	6.84	N/A	20.70	5	9.32	9.02	-	0		
O3037-03	2					20	9.24	8.94	-	0		
O3037-03	3					50	9.15	8.88	-	0		
O3037-03	4					150	9.11	8.81	-	0		
O3037-05	1	No	6.94	N/A	20.20	5	9.22	9.09	-	0		
O3037-05	2					20	9.16	8.96	-	0		
O3037-05	3					50	9.09	8.92	-	0		
O3037-05	4					150	9.00	8.86	-	0		
O3037-07	1	No	7.20	N/A	20.60	5	9.32	8.86	-	0	3.14	
O3037-07	2					20	9.18	8.42	-	0		
O3037-07	3					50	9.00	7.20	-	0		
O3037-07	4					150	8.94	6.73	2.21	3.14		

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)

6/25/77

WorkList Name : bod-6-02

WorkList ID : 170492

Department : Wet-Chemistry

Date : 06-02-2023 08:21:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3037-01	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	D11	06/01/2023	SM5210 B
O3037-03	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	D11	06/01/2023	SM5210 B
O3037-05	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	D11	06/01/2023	SM5210 B
O3037-07	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	D11	06/01/2023	SM5210 B
O3019-01	MH-289	Water	BOD5	Cool 4 deg C	PSEG03	D11	06/02/2023	SM5210 B
O3012-04	WATER-TREATMENT-DISCHAI	Water	BOD5	Cool 4 deg C	VERI01	N11	06/01/2023	SM5210 B
O3030-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	O11	06/02/2023	SM5210 B
O3030-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	O11	06/02/2023	SM5210 B
O3033-01	001-WILLETTS-PT-BLVD(JUNE)	Water	BOD5	Cool 4 deg C	TULL01	D11	06/01/2023	SM5210 B
O3033-02	002-35TH-AVE(JUNE)	Water	BOD5	Cool 4 deg C	TULL01	D11	06/01/2023	SM5210 B

Date/Time 06/02/2023 15:00
 Raw Sample Received by: RM CWO
 Raw Sample Relinquished by: JACDC

Date/Time 06/02/2023 19:10
 Raw Sample Received by: JACDC
 Raw Sample Relinquished by: RM CWO