

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/27/2022**QC BATCH ID:** LB122639**BOD Water:** WP99625**Starch:** W2766**Sulfuric acid, 1N:** WP97258**POLYSEED:** WP99627**GGA:** WP99626**Chlorine Strips:** W2011**pH Strips:** W2716**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2843**NaOH, 1N:** WP97250**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP99283

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: 8.83

Barometric Pressure1: 760 mmHg

Zero DO Reading1: 0.07 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.70

After Incubation

Meter Calibration2: 8.89

Barometric Pressure2: 755 mmHg

Zero DO Reading2: 0.04 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.67



QC BATCH ID: LB122639

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 12:30

TIME OUT: 14:30

DATE IN: 10/27/2022

DATE OUT: 11/01/2022

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
LB122639BL	1	No	6.8	N/A	20.30	300	8.69	8.66	0.03	0.03	0.03	
POLYSEED	1					10	8.64	5.12	3.52	0.7	0.65	
POLYSEED	2					15	8.61	3.96	4.65	0.62		
POLYSEED	3					20	8.57	2.22	6.35	0.64		
GGA	1					6	8.63	3.87	4.76	205.5	214	
GGA	2					6	8.62	3.64	4.98	216.5		
GGA	3					6	8.61	3.56	5.05	220		
N5287-02	1	No	6.29	6.55	20.30	0.5	8.66	6.47	2.19	924	652.75	pH Adjusted
N5287-02	2					1	8.65	5.92	2.73	624		
N5287-02	3					2	8.63	4.44	4.19	531		
N5287-02	4					3	8.61	2.64	5.97	532		
N5288-01	1	No	7.75	7.20	20.30	5	8.69	8.03	-	0		pH Adjusted
N5288-01	2					20	8.67	8.01	-	0		
N5288-01	3					50	8.66	7.00	-	0		
N5288-01	4					150	8.65	6.98	-	0		
N5288-02	1	No	7.82	7.32	20.40	5	8.66	7.44	-	0		pH Adjusted
N5288-02	2					20	8.65	7.43	-	0		
N5288-02	3					50	8.63	7.41	-	0		
N5288-02	4					150	8.62	7.40	-	0		
N5290-01	1	No	7.88	7.20	20.30	5	8.67	7.06	-	0		pH Adjusted
N5290-01	2					20	8.65	7.04	-	0		
N5290-01	3					50	8.63	7.02	-	0		
N5290-01	4					150	8.61	7.01	-	0		
N5290-02	1	No	7.88	7.12	20.40	5	8.60	8.09	-	0		pH Adjusted
N5290-02	2					20	8.68	7.82	-	0		
N5290-02	3					50	8.66	7.67	-	0		
N5290-02	4					150	8.64	7.64	-	0		
N5292-01	1	No	7.83	7.12	20.20	5	8.69	7.86	-	0		pH Adjusted
N5292-01	2					20	8.67	7.85	-	0		
N5292-01	3					50	8.65	7.83	-	0		
N5292-01	4					150	8.64	7.81	-	0		
N5292-02	1	No	7.56	7.40	20.20	5	8.69	7.73	-	0		pH Adjusted
N5292-02	2					20	8.68	7.71	-	0		
N5292-02	3					50	8.66	7.70	-	0		
N5292-02	4					150	8.67	7.58	-	0		
N5292-02DUP	1	No	7.56	7.40	20.20	5	8.68	7.76	-	0		pH Adjusted
N5292-02DUP	2					20	8.67	7.75	-	0		
N5292-02DUP	3					50	8.65	7.69	-	0		
N5292-02DUP	4					150	8.64	7.60	-	0		
N5294-01	1	No	8.45	7.24	20.30	5	8.69	7.82	-	0	3.84	pH Adjusted
N5294-01	2					20	8.65	7.63	-	0		

N5294-01	3					50	8.63	7.41	-	0		
N5294-01	4					150	8.62	6.05	2.57	3.84		
N5304-01	1	No	4.84	6.52	21.10	5	8.64	8.00	-	0		pH Adjusted
N5304-01	2					20	8.62	7.80	-	0		
N5304-01	3					50	8.32	7.18	-	0		
N5304-01	4					150	7.93	6.58	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

LB122639

WorkList Name : BOD-1027 WorkList ID : 164416 Department : Wet-Chemistry Date : 10-27-2022 11:48:37

Due Date	Matrix	Sample	Test	Preservative			Customer			Raw Sample Storage Location			Customer Sample			Collect Date			Method		
				Cool 4 deg C			ARAM01			N11			COMP			10/26/2022			SM5210 B		
10/28/2022	Water	N5287-02	BOD5	Cool 4 deg C			ENV170			F11			252672-7			10/25/2022			SM5210 B		
10/27/2022	Water	N5288-01	BOD5	Cool 4 deg C			ENV170			F11			252672-8			10/25/2022			SM5210 B		
10/27/2022	Water	N5288-02	BOD5	Cool 4 deg C			ENV170			F11			257248-7			10/25/2022			SM5210 B		
10/27/2022	Water	N5290-01	BOD5	Cool 4 deg C			ENV170			F11			257248-8			10/25/2022			SM5210 B		
10/27/2022	Water	N5290-02	BOD5	Cool 4 deg C			ENV170			F11			251032-3			10/25/2022			SM5210 B		
10/27/2022	Water	N5292-01	BOD5	Cool 4 deg C			ENV170			F11			251032-4			10/25/2022			SM5210 B		
10/27/2022	Water	N5292-02	BOD5	Cool 4 deg C			ENV170			F11			WEEKLY-OUTFALL-002			10/26/2022			SM5210 B		
10/28/2022	Water	N5294-01	BOD5	Cool 4 deg C			INFR01			N11			DEEP-WELL			10/26/2022			SM5210 B		
10/28/2022	Water	N5304-01	BOD5	Cool 4 deg C			PSEG03			F11						10/26/2022			SM5210 B		

Date/Time 10/27/22 11:50
 Raw Sample Received by: RM(WC)
 Raw Sample Relinquished by: CP(SM)

Date/Time 10/27/22 14:00
 Raw Sample Received by: CP(SM)
 Raw Sample Relinquished by: RM(WC)