

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 11/03/2022**QC BATCH ID:** LB122745**BOD Water:** WP99752**Starch:** W2766**Sulfuric acid, 1N:** WP97258**POLYSEED:** WP99754**GGA:** WP99753**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	8.7	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.7	17.4	8.7	8.7

Meter Calibration1: 8.77

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.69

After Incubation

Meter Calibration2: 8.75

Barometric Pressure2: 771 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.50



QC BATCH ID: LB122745

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 14:00

TIME OUT: 14:30

DATE IN: 11/03/2022

DATE OUT: 11/08/2022

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
LB122745BL	1	No	6.80	N/A	20.50	300	8.68	8.49	0.19	0.19	0.19	
POLYSEED	1					10	8.56	3.69	4.87	0.97	0.82	
POLYSEED	2					15	8.55	2.88	5.67	0.76		
POLYSEED	3					20	8.53	1.35	7.18	0.72		
GGA	1					6	8.61	4.51	4.1	164	172.5	
GGA	2					6	8.55	4.20	4.35	176.5		
GGA	3					6	8.54	4.18	4.36	177		
N5428-01	1	No	8.38	7.22	20.20	5	8.67	7.71	-	0	4.38	pH Adjusted
N5428-01	2					20	8.59	6.75	-	0		
N5428-01	3					50	8.58	6.70	-	0		
N5428-01	4					150	8.39	5.38	3.01	4.38		
N5432-02	1	No	6.70	N/A	20.30	0.5	8.56	6.81	-	0	281.25	
N5432-02	2					1	8.55	6.80	-	0		
N5432-02	3					2	8.53	6.30	2.23	211.5		
N5432-02	4					3	8.51	4.18	4.33	351		
N5437-01	1	No	7.43	N/A	20.40	5	8.63	7.72	-	0	2.68	
N5437-01	2					20	8.62	6.77	-	0		
N5437-01	3					50	8.60	6.70	-	0		
N5437-01	4					150	8.59	6.43	2.16	2.68		
N5437-02	1	No	7.52	7.20	20.30	5	8.67	5.81	2.86	122.4	42.66	pH Adjusted
N5437-02	2					20	8.66	5.80	2.86	30.6		
N5437-02	3					50	8.64	5.78	2.86	12.24		
N5437-02	4					150	8.62	5.10	3.52	5.4		
N5439-01	1	No	7.79	7.20	20.50	5	8.67	7.87	-	0		pH Adjusted
N5439-01	2					20	8.65	7.57	-	0		
N5439-01	3					50	8.63	7.45	-	0		
N5439-01	4					150	8.62	7.04	-	0		
N5439-02	1	No	7.80	7.28	20.20	5	8.67	7.82	-	0	6.86	pH Adjusted
N5439-02	2					20	8.62	7.31	-	0		
N5439-02	3					50	8.61	6.95	-	0		
N5439-02	4					150	8.55	4.30	4.25	6.86		
N5441-01	1	No	7.83	7.32	20.10	5	8.64	6.59	2.05	73.8	28.3	pH Adjusted
N5441-01	2					20	8.63	6.12	2.51	25.35		
N5441-01	3					50	8.61	6.06	2.55	10.38		
N5441-01	4					150	8.55	5.89	2.66	3.68		
N5441-01DUP	1	No	7.83	7.32	20.10	5	8.63	6.60	2.03	72.6	26.29	pH Adjusted
N5441-01DUP	2					20	8.62	6.58	2.04	18.3		
N5441-01DUP	3					50	8.60	6.02	2.58	10.56		
N5441-01DUP	4					150	8.59	5.92	2.67	3.7		
N5441-02	1	No	7.85	7.28	20.60	5	8.54	5.56	2.98	129.6	44.72	pH Adjusted
N5441-02	2					20	8.52	5.54	2.98	32.4		

N5441-02	3					50	8.44	5.50	2.94	12.72		
N5441-02	4					150	8.10	5.20	2.9	4.16		

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

WORKLIST(Hardcopy Internal Chain)

LB122745

WorkList Name : bod11-3

WorkList ID : 164670

Department : Wet-Chemistry

Date : 11-03-2022 11:07:30

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
11/04/2022	Water	N5428-01	BOD5	Cool 4 deg C	INFR01	N11	MONTHLY-OUTFALL-002	11/02/2022	SM5210 B
11/04/2022	Water	N5432-02	BOD5	Cool 4 deg C	ARAM01	F11	COMP	11/02/2022	SM5210 B
11/04/2022	Water	N5437-01	BOD5	Cool 4 deg C	ENV170	F11	596C-3	11/02/2022	SM5210 B
11/04/2022	Water	N5437-02	BOD5	Cool 4 deg C	ENV170	F11	596C-4	11/02/2022	SM5210 B
11/04/2022	Water	N5439-01	BOD5	Cool 4 deg C	ENV170	F11	506D-3	11/02/2022	SM5210 B
11/04/2022	Water	N5439-02	BOD5	Cool 4 deg C	ENV170	F11	506D-4	11/02/2022	SM5210 B
11/04/2022	Water	N5441-01	BOD5	Cool 4 deg C	ENV170	F11	5486-5	11/02/2022	SM5210 B
11/04/2022	Water	N5441-02	BOD5	Cool 4 deg C	ENV170	F11	5486-6	11/02/2022	SM5210 B

Date/Time 11-3-22 17:30
 Raw Sample Received by: RM (W.C.)
 Raw Sample Relinquished by: SP (gm)

Date/Time 11-3-22 - 14:00
 Raw Sample Received by: CASM
 Raw Sample Relinquished by: RM - (W.C.)