

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/13/2022**QC BATCH ID:** LB122454**BOD Water:** WP99358**Starch:** W2766**Sulfuric acid, 1N:** WP97258**POLYSEED:** WP99359**GGA:** WP99360**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	8.7	17.4	8.7	8.7

Meter Calibration1: 8.82

Barometric Pressure1: 750 mmHg

Zero DO Reading1: 0.06 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.87

After Incubation

Meter Calibration2: 8.67

Barometric Pressure2: 750 mmHg

Zero DO Reading2: 0.06 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.73

QC BATCH ID: LB122454

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.6

TIME IN: 10:30

TIME OUT: 11:00

DATE IN: 10/13/2022

DATE OUT: 10/18/2022

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
LB122454BL	1	No	6.8	N/A	20.50	300	8.82	8.69	0.13	0.13	0.13	
POLYSEED	1					10	8.78	5.16	3.62	0.72	0.63	
POLYSEED	2					15	8.76	4.36	4.4	0.59		
POLYSEED	3					20	8.75	2.85	5.9	0.59		
GGA	1					6	8.69	4.46	4.23	180	182.5	
GGA	2					6	8.68	4.01	4.67	202		
GGA	3					6	8.67	4.73	3.94	165.5		
N5112-02	1	No	8.21	7.10	21.80	0.5	8.72	4.83	3.89	1956	1669.5	pH Adjusted
N5112-02	2					1	8.71	3.47	5.24	1383		
N5112-02	3					2	8.70	0.21	-	0		
N5112-02	4					3	8.69	0.20	-	0		
N5122-01	1	No	8.37	6.85	21.80	5	8.78	8.51	-	0	7.04	pH Adjusted
N5122-01	2					20	8.72	7.27	-	0		
N5122-01	3					50	8.71	6.65	2.06	8.58		
N5122-01	4					150	8.66	5.28	3.38	5.5		
N5125-01	1	No	7.73	7.02	21.90	5	8.73	7.81	-	0	28.91	pH Adjusted
N5125-01	2					20	8.51	5.63	2.88	33.75		
N5125-01	3					50	8.11	3.47	4.64	24.06		
N5125-01	4					150	6.09	0.15	-	0		
N5128-01	1	No	7.39	N/A	20.40	5	8.78	8.25	-	0		
N5128-01	2					20	8.77	8.18	-	0		
N5128-01	3					50	8.75	7.45	-	0		
N5128-01	4					150	8.74	7.43	-	0		
N5128-02	1	No	7.55	7.06	20.60	5	8.71	8.26	-	0		pH Adjusted
N5128-02	2					20	8.70	8.04	-	0		
N5128-02	3					50	8.69	7.54	-	0		
N5128-02	4					150	8.67	7.52	-	0		
N5130-01	1	No	8.04	6.82	20.60	5	8.74	8.12	-	0		pH Adjusted
N5130-01	2					20	8.72	7.94	-	0		
N5130-01	3					50	8.71	7.85	-	0		
N5130-01	4					150	8.68	7.55	-	0		
N5130-01DUP	1	No	8.04	6.82	20.60	5	8.75	8.15	-	0		pH Adjusted
N5130-01DUP	2					20	8.72	7.96	-	0		
N5130-01DUP	3					50	8.68	7.80	-	0		
N5130-01DUP	4					150	8.64	7.50	-	0		

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

LB122454

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-1013 WorkList ID : 164034 Department : Wet-Chemistry Date : 10-13-2022 08:38:10

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
10/14/2022	Water	N5112-02	BOD5	Cool 4 deg C	ARAM01	N11	COMP	10/12/2022	SM5210 B
10/14/2022	Water	N5122-01	BOD5	Cool 4 deg C	INFR01	N11	QUARTERLY-OUTFALL-002	10/12/2022	SM5210 B
10/14/2022	Water	N5125-01	BOD5	Cool 4 deg C	INFR01	N11	QUARTERLY-INFLUENT	10/12/2022	SM5210 B
10/13/2022	Water	N5128-01	BOD5	Cool 4 deg C	ENVI70	C11	265751-3	10/11/2022	SM5210 B
10/13/2022	Water	N5128-02	BOD5	Cool 4 deg C	ENVI70	C11	265751-4	10/11/2022	SM5210 B
10/13/2022	Water	N5130-01	BOD5	Cool 4 deg C	ENVI70	C11	557-E-1	10/11/2022	SM5210 B

Date/Time 10/13/2022 9:00
Raw Sample Received by: SJ(WC)
Raw Sample Relinquished by: CP(SM)

Date/Time 10/13/2022 12:30
Raw Sample Received by: CP(SM)
Raw Sample Relinquished by: SJ(WC)