

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Ayul**Analysis Date:** 11/04/2022**QC BATCH ID:** LB122766**BOD Water:** WP99760**Starch:** W2766**Sulfuric acid, 1N:** WP997258**POLYSEED:** WP99762**GGA:** WP99761**Chlorine Strips:** W2011**pH Strips:** W2716**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2843**NaOH, 1N:** WP997250**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: 8.67Barometric Pressure1: 765 mmHgZero DO Reading1: 0.09 mg/L (<=0.2 Criteria)Winkler titrated BOD fluid DO reading1: 8.66**After Incubation**Meter Calibration2: 9.30Barometric Pressure2: 771 mmHgZero DO Reading2: 0.08 mg/L (<=0.2 Criteria)Winkler titrated BOD fluid DO reading2: 8.23

QC BATCH ID: LB122766

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 14:30

TIME OUT: 15:30

DATE IN: 11/04/2022

DATE OUT: 11/09/2022

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
LB122766BL	1	No	7.20	N/A	20.30	300	8.66	8.22	0.44	0.44	0.44	
POLYSEED	1					10	8.65	4.84	3.81	0.76	0.71	
POLYSEED	2					15	8.55	3.62	4.93	0.66		
POLYSEED	3					20	8.51	1.52	6.99	0.7		
GGA	1					6	8.51	4.20	4.31	180	201.17	
GGA	2					6	8.50	3.09	5.41	235		
GGA	3					6	8.49	4.01	4.48	188.5		
N5458-01	1	No	6.80	N/A	22.30	5	8.64	7.50	-	0	3	
N5458-01	2					20	8.63	7.45	-	0		
N5458-01	3					50	8.60	7.35	-	0		
N5458-01	4					150	8.59	6.38	2.21	3		
N5458-03	1	No	7.16	N/A	20.90	5	8.64	7.62	-	0	6.78	
N5458-03	2					20	8.61	7.49	-	0		
N5458-03	3					50	8.60	7.32	-	0		
N5458-03	4					150	8.51	4.41	4.1	6.78		
N5458-05	1	No	7.00	N/A	20.40	5	8.63	7.67	-	0		
N5458-05	2					20	8.62	7.50	-	0		
N5458-05	3					50	8.59	7.04	-	0		
N5458-05	4					150	8.58	6.80	-	0		
N5474-01	1	No	7.66	7.38	20.40	5	8.64	7.75	-	0	3.54	pH Adjusted
N5474-01	2					20	8.63	7.33	-	0		
N5474-01	3					50	8.61	7.26	-	0		
N5474-01	4					150	8.20	5.72	2.48	3.54		
N5474-02	1	No	7.71	7.40	20.70	5	8.63	7.62	-	0		pH Adjusted
N5474-02	2					20	8.61	7.47	-	0		
N5474-02	3					50	8.60	6.99	-	0		
N5474-02	4					150	8.22	6.30	-	0		
N5476-01	1	No	7.68	7.42	20.50	5	8.64	7.67	-	0	3.2	pH Adjusted
N5476-01	2					20	8.62	7.00	-	0		
N5476-01	3					50	8.59	6.98	-	0		
N5476-01	4					150	8.58	6.27	2.31	3.2		
N5476-02	1	No	7.71	7.28	20.80	5	8.63	7.44	-	0		pH Adjusted
N5476-02	2					20	8.61	7.42	-	0		
N5476-02	3					50	8.60	6.88	-	0		
N5476-02	4					150	8.58	6.66	-	0		
N5476-02DUP	1	No	7.71	7.28	20.80	5	8.64	7.45	-	0		pH Adjusted
N5476-02DUP	2					20	8.62	7.43	-	0		
N5476-02DUP	3					50	8.61	6.98	-	0		
N5476-02DUP	4					150	8.59	6.70	-	0		

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