

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 04/27/2023**QC BATCH ID:** LB125186**BOD Water:** WP102167**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP102169**GGA:** WP102168**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:** WP102042

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.3	18.6	9.3	9.3

Meter Calibration1: 9.26

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.37

After Incubation

Meter Calibration2: 8.70

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 750 mmHg

QC BATCH ID: LB125186

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 15:00

TIME OUT: 12:00

DATE IN: 04/27/2023

DATE OUT: 05/02/2023

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
LB125186BL	1	No	6.80	N/A	20.40	300	9.36	9.35	0.01	0.01	0.01	
POLYSEED	1					10	9.32	5.16	4.16	0.83	0.71	
POLYSEED	2					15	9.30	4.09	5.21	0.69		
POLYSEED	3					20	9.26	3.02	6.24	0.62		
GGA	1					6	9.24	5.24	4	164.5	170.17	
GGA	2					6	9.22	5.09	4.13	171		
GGA	3					6	9.13	4.92	4.21	175		
O2498-02	1	No	6.45	6.63	20.30	0.5	9.21	6.54	2.67	1176	1240.5	pH Adjusted
O2498-02	2					1	9.20	4.14	5.06	1305		
O2498-02	3					2	9.14	0.69	-	0		
O2498-02	4					3	9.07	0.23	-	0		
O2510-01	1	No	8.13	7.40	20.60	5	9.24	8.27	-	0	6.48	pH Adjusted
O2510-01	2					20	9.23	8.26	-	0		
O2510-01	3					50	9.18	7.86	-	0		
O2510-01	4					150	9.02	5.07	3.95	6.48		
O2521-01	1	No	6.85	N/A	20.00	5	9.16	5.86	3.3	155.4	95.4	
O2521-01	2					20	8.92	5.85	3.07	35.4		
O2521-01	3					50	8.28	0.44	-	0		
O2521-01	4					150	5.82	0.19	-	0		
O2521-03	1	No	6.71	N/A	20.00	5	9.12	6.99	2.13	85.2	39.18	
O2521-03	2					20	9.00	6.95	2.05	20.1		
O2521-03	3					50	8.59	5.84	2.75	12.24		
O2521-03	4					150	6.95	0.23	-	0		
O2521-05	1	No	6.72	N/A	20.00	5	9.16	8.46	-	0	8.5	
O2521-05	2					20	8.96	7.74	-	0		
O2521-05	3					50	8.66	6.63	2.03	7.92		
O2521-05	4					150	7.21	1.96	5.25	9.08		
O2521-07	1	No	7.02	N/A	20.00	5	9.13	7.64	-	0	10.2	
O2521-07	2					20	9.11	7.62	-	0		
O2521-07	3					50	8.98	7.18	-	0		
O2521-07	4					150	8.53	2.72	5.81	10.2		
O2521-07DUP	1	No	7.02	N/A	20.00	5	9.12	7.63	-	0	10.24	
O2521-07DUP	2					20	9.10	7.61	-	0		
O2521-07DUP	3					50	8.97	7.19	-	0		
O2521-07DUP	4					150	8.54	2.71	5.83	10.24		
O2521-14	1	No	5.48	7.11	20.00	5	9.15	8.46	-	0		pH Adjusted
O2521-14	2					20	9.14	8.44	-	0		
O2521-14	3					50	9.13	8.42	-	0		
O2521-14	4					150	9.12	8.41	-	0		

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)

WorkList Name : bod5-4-27

WorkList ID : 169445

Department : Wet-Chemistry

Date : 04-27-2023 08:29:11

6/125186

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
04/28/2023	Water	O2498-02 A	BOD5	Cool 4 deg C	ARAM01	N11	COMP	04/26/2023	SM5210 B
04/28/2023	Water	O2510-01 C	BOD5	Cool 4 deg C	INFR01	N11	WEEKLY-OUTFALL-002	04/26/2023	SM5210 B
04/28/2023	Water	O2521-01 k	BOD5	Cool 4 deg C	GEIC06	M11	GMW-1	04/26/2023	SM5210 B
04/28/2023	Water	O2521-03 k	BOD5	Cool 4 deg C	GEIC06	M11	PZ-15	04/26/2023	SM5210 B
04/28/2023	Water	O2521-05 k	BOD5	Cool 4 deg C	GEIC06	M11	GMW-10	04/26/2023	SM5210 B
04/28/2023	Water	O2521-07 k	BOD5	Cool 4 deg C	GEIC06	M11	GMW-7	04/26/2023	SM5210 B
04/28/2023	Water	O2521-14 k	BOD5	Cool 4 deg C	GEIC06	M11	FB	04/26/2023	SM5210 B

Date/Time 04/27/2023 13:00
 Raw Sample Received by: RM
 Raw Sample Relinquished by: JPC

Date/Time 04/27/2023 15:00
 Raw Sample Received by: JPC
 Raw Sample Relinquished by: RM