

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 01/05/2023**QC BATCH ID:** LB123549**BOD Water:** WP100486**Starch:** W2977**Sulfuric acid, 1N:** WP100509**POLYSEED:** WP100488**GGA:** WP100487**Chlorine Strips:** W2011**pH Strips:** W2716**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2941**NaOH, 1N:** WP99896**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP100199

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: 8.68

Barometric Pressure1: 755 mmHg

Zero DO Reading1: 0.10 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.77

After Incubation

Meter Calibration2: 9.19

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.08 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.76

QC BATCH ID: LB123549

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 15:15

TIME OUT: 15:30

DATE IN: 01/05/2023

DATE OUT: 01/10/2023

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
LB123549BL	1	No	6.90	N/A	20.00	300	8.76	8.74	0.02	0.02	0.02	
POLYSEED	1					10	8.47	4.36	4.11	0.82	0.64	
POLYSEED	2					15	8.35	3.79	4.56	0.61		
POLYSEED	3					20	8.23	3.40	4.83	0.48		
GGA	1					6	8.65	4.42	4.23	179.5	180.67	
GGA	2					6	8.63	4.38	4.25	180.5		
GGA	3					6	8.60	4.32	4.28	182		
O1013-02	1	No	7.35	N/A	20.10	0.5	8.70	7.42	-	0	650.83	
O1013-02	2					1	8.54	5.98	2.56	576		
O1013-02	3					2	8.50	3.01	5.49	727.5		
O1013-02	4					3	8.49	1.36	7.13	649		
O1023-01	1	No	7.39	N/A	20.10	5	8.68	3.90	4.78	248.4	154.95	
O1023-01	2					20	8.61	3.87	4.74	61.5		
O1023-01	3					50	8.44	0.29	-	0		
O1023-01	4					150	7.81	0.22	-	0		
O1025-01	1	No	8.29	7.20	20.20	5	8.68	8.22	-	0	2.88	pH Adjusted
O1025-01	2					20	8.67	7.43	-	0		
O1025-01	3					50	8.66	7.41	-	0		
O1025-01	4					150	8.65	6.57	2.08	2.88		
O1041-01	1	No	8.69	7.10	20.10	0.05	8.63	7.14	-	0	5445	pH Adjusted
O1041-01	2					0.1	8.62	5.94	2.68	6120		
O1041-01	3					0.2	8.61	4.79	3.82	4770		
O1041-01	4					0.5	8.60	0.21	-	0		
O1041-01	5					1	8.59	0.19	-	0		
O1041-01DUP	1	No	8.69	7.10	20.10	0.05	8.65	7.15	-	0	5445	pH Adjusted
O1041-01DUP	2					0.1	8.63	5.96	2.67	6090		
O1041-01DUP	3					0.2	8.62	4.78	3.84	4800		
O1041-01DUP	4					0.5	8.61	0.22	-	0		
O1041-01DUP	5					1	8.60	0.20	-	0		

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

WORKLIST(Hardcopy Internal Chain)

66123549

WorkList Name : bod1-4

WorkList ID : 166293

Department : Wet-Chemistry

Date : 01-04-2023 09:17:20

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/06/2023	Water	O1013-02	BOD5	Cool 4 deg C	ARAM01	N11	COMP	01/04/2023	SM5210 B
01/06/2023	Water	O1023-01	BOD5	Cool 4 deg C	INFR01	N11	QUARTERLY-INFLUENT	01/04/2023	SM5210 B
01/06/2023	Water	O1025-01	BOD5	Cool 4 deg C	INFR01	N11	QUARTERLY-OUTFALL-002	01/04/2023	SM5210 B
01/07/2023	Water	O1041-01	BOD5	Cool 4 deg C	MAJO01	N31	DRAIN-WATER-TANK-1	01/05/2023	SM5210 B

Date/Time 01/05/2023 14:10
 Raw Sample Received by: RM
 Raw Sample Relinquished by: QD SPN

Date/Time 01/05/2023 15:30
 Raw Sample Received by: QD SPN
 Raw Sample Relinquished by: RM CWC