

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 05/03/2023**QC BATCH ID:** LB125272**BOD Water:** WP102286**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP100509**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP102288**NaOH, 1N:** WP101216**GGA:** WP102287**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.74

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 750 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.73

Zero DO Reading2: 0.13 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB125272

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 16:50

TIME OUT: 15:00

DATE IN: 05/03/2023

DATE OUT: 05/08/2023

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
LB125272BL	1	No	6.56	N/A	20.40	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.38	6.09	3.29	0.66	0.6	
POLYSEED	2					15	9.35	4.98	4.37	0.58		
POLYSEED	3					20	9.34	3.62	5.72	0.57		
GGA	1					6	9.32	5.02	4.3	185	212.17	
GGA	2					6	9.28	4.48	4.8	210		
GGA	3					6	9.26	3.83	5.43	241.5		
O2587-02	1	No	6.64	N/A	20.00	0.5	9.31	7.17	2.14	924	864.5	
O2587-02	2					1	9.22	5.95	3.27	801		
O2587-02	3					2	9.15	2.76	6.39	868.5		
O2587-02	4					3	8.91	0.30	-	0		
O2587-02DUP	1	No	6.64	N/A	20.00	0.5	9.30	7.16	2.14	924	864.5	
O2587-02DUP	2					1	9.23	5.96	3.27	801		
O2587-02DUP	3					2	9.14	2.75	6.39	868.5		
O2587-02DUP	4					3	8.90	0.32	-	0		
O2595-01	1	No	6.19	6.67	20.20	0.05	9.34	7.22	2.12	9120	6225	pH Adjusted
O2595-01	2					0.1	9.32	7.06	2.26	4980		
O2595-01	3					0.2	9.20	5.55	3.65	4575		
O2595-01	4					0.5	8.84	0.39	-	0		
O2595-01	5					1	8.69	0.26	-	0		
O2599-01	1	No	7.20	N/A	20.00	5	9.37	8.01	-	0	12.62	
O2599-01	2					20	9.22	7.80	-	0		
O2599-01	3					50	8.98	6.20	2.78	13.08		
O2599-01	4					150	8.21	1.53	6.68	12.16		
O2599-02	1	No	7.27	N/A	20.00	5	9.35	6.80	2.55	117	41.92	
O2599-02	2					20	9.34	6.78	2.56	29.4		
O2599-02	3					50	9.24	6.74	2.5	11.4		
O2599-02	4					150	9.09	3.56	5.53	9.86		
O2601-01	1	No	8.20	7.30	20.00	5	9.42	8.75	-	0		pH Adjusted
O2601-01	2					20	9.41	7.55	-	0		
O2601-01	3					50	9.40	7.54	-	0		
O2601-01	4					150	9.39	7.53	-	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)

26125272

WorkList Name : bod-5-3

WorkList ID : 169610

Department : Wet-Chemistry

Date : 05-03-2023 08:31:26

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/05/2023	Water	O2587-02	BOD5	Cool 4 deg C	ARAM01	M11	COMP	05/03/2023	SM5210 B
05/05/2023	Water	O2595-01	BOD5	Cool 4 deg C	MAJO01	M11	DRAIN-WATER-TANK-1	05/03/2023	SM5210 B
05/04/2023	Water	O2599-01	BOD5	Cool 4 deg C	TULL01	O11	001-WILLETS-PT-BLVD(MAY)	05/02/2023	SM5210 B
05/04/2023	Water	O2599-02	BOD5	Cool 4 deg C	TULL01	O11	002-35TH-AVE(MAY)	05/02/2023	SM5210 B
05/05/2023	Water	O2601-01	BOD5	Cool 4 deg C	INFR01	O11	MONTHLY-OUTFALL-002	05/03/2023	SM5210 B

Date/Time 05/03/2023 15:00
 Raw Sample Received by: RM (CWG)
 Raw Sample Relinquished by: JH (1096)

Date/Time 05/03/2023 16:45
 Raw Sample Received by: JH (1096)
 Raw Sample Relinquished by: RM (CWG)