

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 08/10/2023**QC BATCH ID:** LB126809**BOD Water:** WP103694**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP103696**NaOH, 1N:** WP101216**GGA:** WP103695**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2011**GuageID:** 0511064**pH Strips:** W3006**Zero DO:** WP103555

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.2	18.4	9.2	9.2

Meter Calibration1: 9.18

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.22

After Incubation

Meter Calibration2: 8.99

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

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB126809

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 11:15

TIME OUT: 10:20

DATE IN: 08/10/2023

DATE OUT: 08/15/2023

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
LB126809BL	1	No	6.56	N/A	20.40	300	9.21	9.20	0.01	0.01	0.01	
POLYSEED	1					10	9.17	5.60	3.57	0.71	0.66	
POLYSEED	2					15	9.14	4.21	4.93	0.66		
POLYSEED	3					20	9.11	2.98	6.13	0.61		
GGA	1					6	9.11	4.59	4.52	193	206.67	
GGA	2					6	9.10	4.31	4.79	206.5		
GGA	3					6	9.08	4.01	5.07	220.5		
O3937-04	1	No	6.61	N/A	20.40	5	9.10	8.43	-	0	36.47	
O3937-04	2					20	8.88	5.77	3.11	36.75		
O3937-04	3					50	8.38	1.69	6.69	36.18		
O3937-04	4					150	6.00	0.33	-	0		
O3937-04DUP	1	No	6.61	N/A	20.40	5	9.08	8.57	-	0	35.95	
O3937-04DUP	2					20	8.89	5.90	2.99	34.95		
O3937-04DUP	3					50	8.44	1.62	6.82	36.96		
O3937-04DUP	4					150	6.02	0.29	-	0		
O3948-02	1	No	6.04	6.62	20.00	0.5	9.09	7.46	-	0	789.83	pH Adjusted
O3948-02	2					1	9.05	5.80	3.25	777		
O3948-02	3					2	8.95	2.14	6.81	922.5		
O3948-02	4					3	8.90	1.54	7.36	670		
O3951-01	1	No	8.48	7.44	20.00	5	9.18	7.92	-	0	11.1	pH Adjusted
O3951-01	2					20	9.15	7.83	-	0		
O3951-01	3					50	9.13	5.85	3.28	15.72		
O3951-01	4					150	9.10	5.20	3.9	6.48		
O3955-22	1	No	6.73	N/A	20.70	5	9.15	8.46	-	0		
O3955-22	2					20	9.06	8.36	-	0		
O3955-22	3					50	8.92	8.01	-	0		
O3955-22	4					150	8.24	6.50	-	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)

26126809

WorkList Name : bod5-8-9 WorkList ID : 172558 Department : Wet-Chemistry Date : 08-09-2023 07:49:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3951-01	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	L13	08/09/2023	SM5210 B
O3948-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	H11	08/09/2023	SM5210 B
O3955-22	TW-1	Water	BOD5	Cool 4 deg C	PSEG03	L11	08/09/2023	SM5210 B
O3937-04	MANHOLE-24-HRS-COMP	Water	BOD5	Cool 4 deg C	SPEC01	L11	08/08/2023	SM5210 B

Date/Time 08/10/2023 09:15
 Raw Sample Received by: RM
 Raw Sample Relinquished by: JPL (007)

Date/Time 08/10/2023 10:30
 Raw Sample Received by: JPL (007)
 Raw Sample Relinquished by: RM