

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 10/05/2023**QC BATCH ID:** LB127629**BOD Water:** WP104520**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104522**GGA:** WP104521**Chlorine Strips:** W2011**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP104465

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: 9.40

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

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.41

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB127629

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:45

TIME OUT: 13:00

DATE IN: 10/05/2023

DATE OUT: 10/10/2023

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
LB127629BL	1	No	6.70	N/A	20.30	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.43	6.02	3.41	0.68	0.64	
POLYSEED	2					15	9.41	4.67	4.74	0.63		
POLYSEED	3					20	9.40	3.28	6.12	0.61		
GGA	1					6	9.42	5.27	4.15	175.5	185.67	
GGA	2					6	9.40	5.02	4.38	187		
GGA	3					6	9.40	4.87	4.53	194.5		
O4734-01	1	No	6.05	6.69	20.10	5	9.43	8.80	-	0		pH Adjusted
O4734-01	2					20	9.42	8.71	-	0		
O4734-01	3					50	9.40	8.25	-	0		
O4734-01	4					150	9.23	7.61	-	0		
O4734-01DUP	1	No	6.05	6.69	20.10	5	9.42	8.92	-	0		pH Adjusted
O4734-01DUP	2					20	9.41	8.60	-	0		
O4734-01DUP	3					50	9.40	8.35	-	0		
O4734-01DUP	4					150	9.22	7.78	-	0		
O4734-04	1	No	5.89	6.70	20.10	5	9.42	8.98	-	0		pH Adjusted
O4734-04	2					20	9.41	8.75	-	0		
O4734-04	3					50	9.40	8.40	-	0		
O4734-04	4					150	9.38	8.29	-	0		
O4734-05	1	No	6.21	6.67	20.10	5	9.43	8.97	-	0		pH Adjusted
O4734-05	2					20	9.42	8.84	-	0		
O4734-05	3					50	9.40	8.74	-	0		
O4734-05	4					150	9.38	8.33	-	0		
O4734-06	1	No	6.20	6.74	20.30	5	9.43	8.84	-	0		pH Adjusted
O4734-06	2					20	9.42	8.40	-	0		
O4734-06	3					50	9.37	8.27	-	0		
O4734-06	4					150	9.10	8.20	-	0		
O4734-07	1	No	5.57	6.70	20.30	5	9.41	8.82	-	0		pH Adjusted
O4734-07	2					20	9.36	8.69	-	0		
O4734-07	3					50	9.30	8.42	-	0		
O4734-07	4					150	8.97	7.59	-	0		
O4734-08	1	No	5.79	6.72	20.50	5	9.43	8.71	-	0	6.3	pH Adjusted
O4734-08	2					20	9.41	8.15	-	0		
O4734-08	3					50	9.40	8.12	-	0		
O4734-08	4					150	9.38	5.59	3.79	6.3		
O4734-09	1	No	5.94	6.76	20.60	5	9.41	8.91	-	0		pH Adjusted
O4734-09	2					20	9.40	8.84	-	0		
O4734-09	3					50	9.38	8.68	-	0		
O4734-09	4					150	9.37	7.46	-	0		
O4737-01	1	No	8.47	7.40	20.50	5	9.43	8.72	-	0		pH Adjusted
O4737-01	2					20	9.42	8.49	-	0		

O4737-01	3					50	9.41	8.34	-	0		
O4737-01	4					150	9.40	8.09	-	0		
O4751-01	1	No	7.24	N/A	20.10	5	9.43	8.72	-	0	8.3	
O4751-01	2					20	9.41	8.55	-	0		
O4751-01	3					50	9.40	8.42	-	0		
O4751-01	4					150	9.39	4.60	4.79	8.3		
O4751-03	1	No	7.09	N/A	20.10	5	9.42	8.28	-	0	4.4	
O4751-03	2					20	9.40	8.19	-	0		
O4751-03	3					50	9.39	7.88	-	0		
O4751-03	4					150	9.38	6.54	2.84	4.4		
O4751-05	1	No	7.26	N/A	20.50	5	9.42	7.63	-	0	5.9	
O4751-05	2					20	9.40	7.58	-	0		
O4751-05	3					50	9.39	7.31	2.08	8.64		
O4751-05	4					150	9.37	7.15	2.22	3.16		

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)

6127629

WorkList Name : BOD5-10-04 WorkList ID : 174258 Department : Wet-Chemistry Date : 10-04-2023 17:18:43

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4734-01 H	MW-6SR	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4734-04 H	MW-14S	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4734-05 H	MW-5SR	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4734-06 H	MW-7	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4734-07 H	MW-12	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4734-08 H	MW-13S	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4734-09 H	MW-6I	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4737-01 C	WEEKLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	LOCK01	E32	10/03/2023	SM5210 B
O4751-01 F	DSN002	Water	BOD5	Cool 4 deg C	INFR01	--Sele	10/04/2023	SM5210 B
O4751-03 F	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	D22	10/04/2023	SM5210 B
O4751-05 F	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	D22	10/04/2023	SM5210 B

Date/Time 10/05/2023 08:00
 Raw Sample Received by: RM CWJ
 Raw Sample Relinquished by: D. J. C. C.

Date/Time 10/05/2023 09:50
 Raw Sample Received by: 701 (CWJ)
 Raw Sample Relinquished by: RM CWJ