

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/22/2023**QC BATCH ID:** LB127452**BOD Water:** WP104314**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104316**GGA:** WP104315**Chlorine Strips:** W2011**pH Strips:** W3045**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP104002

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: 9.36Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)Barometric Pressure1: 771 mmHgDO Meter BOD fluid reading for winkler comparison: 9.45**After Incubation**Meter Calibration2: 9.40Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)Barometric Pressure2: 771 mmHg



QC BATCH ID: LB127452

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 17:30

TIME OUT: 15:30

DATE IN: 09/22/2023

DATE OUT: 09/27/2023

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
LB127452BL	1	No	6.72	N/A	20.10	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.39	6.24	3.15	0.63	0.62	
POLYSEED	2					15	9.36	4.61	4.75	0.63		
POLYSEED	3					20	9.34	3.34	6	0.6		
GGA	1					6	9.38	5.24	4.14	176	183.17	
GGA	2					6	9.35	5.14	4.21	179.5		
GGA	3					6	9.35	4.85	4.5	194		
O4570-01	1	No	6.84	N/A	20.00	5	9.43	8.88	-	0		
O4570-01	2					20	9.42	8.76	-	0		
O4570-01	3					50	9.40	8.64	-	0		
O4570-01	4					150	9.38	8.51	-	0		
O4570-02	1	No	5.23	6.69	20.00	5	9.42	8.92	-	0		pH Adjusted
O4570-02	2					20	9.40	8.80	-	0		
O4570-02	3					50	9.39	8.71	-	0		
O4570-02	4					150	9.33	8.58	-	0		
O4570-03	1	No	5.15	6.66	20.00	5	9.39	8.96	-	0		pH Adjusted
O4570-03	2					20	9.35	8.82	-	0		
O4570-03	3					50	9.27	8.68	-	0		
O4570-03	4					150	8.80	8.48	-	0		
O4570-04	1	No	5.91	6.70	20.00	5	9.40	8.91	-	0		pH Adjusted
O4570-04	2					20	9.28	8.42	-	0		
O4570-04	3					50	9.10	7.60	-	0		
O4570-04	4					150	8.46	7.02	-	0		
O4570-05	1	No	5.45	6.69	20.00	5	9.40	8.94	-	0		pH Adjusted
O4570-05	2					20	9.37	8.80	-	0		
O4570-05	3					50	9.36	8.71	-	0		
O4570-05	4					150	9.35	8.64	-	0		
O4574-01	1	No	7.72	7.38	20.60	5	9.35	8.92	-	0	4.08	pH Adjusted
O4574-01	2					20	9.31	8.69	-	0		
O4574-01	3					50	9.20	8.35	-	0		
O4574-01	4					150	8.53	5.87	2.66	4.08		
O4574-01DUP	1	No	7.72	7.38	20.60	5	9.35	8.85	-	0	3.9	pH Adjusted
O4574-01DUP	2					20	9.29	8.58	-	0		
O4574-01DUP	3					50	9.17	8.36	-	0		
O4574-01DUP	4					150	8.52	5.95	2.57	3.9		
O4586-01	1	No	7.19	N/A	20.50	0.5	9.31	8.88	-	0	64.2	
O4586-01	2					1	9.28	8.08	-	0		
O4586-01	3					2	9.19	7.79	-	0		
O4586-01	4					5	8.80	7.06	-	0		
O4586-01	5					10	8.11	5.35	2.76	64.2		
O4586-03	1	No	4.06	6.70	20.40	0.01	9.33	8.03	-	0	9900	pH Adjusted

O4586-03	2					0.05	9.32	7.20	2.12	9000		
O4586-03	3					0.1	9.29	5.07	4.22	10800		
O4586-03	4					0.5	8.75	0.20	-	0		
O4586-03	5					1	8.04	0.16	-	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)

6127452

WorkList Name : bod5-9-22 WorkList ID : 173852 Department : Wet-Chemistry Date : 09-22-2023 08:09:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4570-01	FIELD-BLANK	Water	BOD5	Cool 4 deg C	LOCK01	N12	09/21/2023	SM5210 B
O4570-02	MW-95	Water	BOD5	Cool 4 deg C	LOCK01	N12	09/21/2023	SM5210 B
O4570-03	MW-345	Water	BOD5	Cool 4 deg C	LOCK01	N12	09/21/2023	SM5210 B
O4570-04	MW-245	Water	BOD5	Cool 4 deg C	LOCK01	N12	09/21/2023	SM5210 B
O4570-05	MW-241	Water	BOD5	Cool 4 deg C	LOCK01	N12	09/21/2023	SM5210 B
O4574-01	FRAC-TANK-A2421	Water	BOD5	Cool 4 deg C	PSEG03	N21	09/21/2023	SM5210 B
O4586-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N11	09/22/2023	SM5210 B
O4586-03	INLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N11	09/22/2023	SM5210 B

Date/Time 09/22/2023 15:30
 Raw Sample Received by: RV CWC
 Raw Sample Relinquished by: JAC

Date/Time 09/22/2023 17:00
 Raw Sample Received by: JAC
 Raw Sample Relinquished by: RV CWC