

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 09/08/2023**QC BATCH ID:** LB127207**BOD Water:** WP104060**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP104070**GGA:** WP104065**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: 8.80

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

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.22

Zero DO Reading2: 0.11 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB127207

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:30

TIME OUT: 13:00

DATE IN: 09/08/2023

DATE OUT: 09/13/2023

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
LB127207BL	1	No	6.64	N/A	20.50	300	9.45	9.44	0.01	0.01	0.01	
POLYSEED	1					10	9.43	5.11	4.32	0.86	0.75	
POLYSEED	2					15	9.41	3.89	5.52	0.74		
POLYSEED	3					20	9.40	2.99	6.41	0.64		
GGA	1					6	9.44	5.05	4.39	182	201.83	
GGA	2					6	9.43	4.57	4.86	205.5		
GGA	3					6	9.41	4.30	5.11	218		
O4339-02	1	No	9.53	7.40	20.10	5	9.44	8.78	-	0		pH Adjusted
O4339-02	2					20	9.28	8.67	-	0		
O4339-02	3					50	9.23	8.22	-	0		
O4339-02	4					150	9.21	8.10	-	0		
O4339-02DUP	1	No	9.53	7.40	20.10	5	9.42	8.70	-	0		pH Adjusted
O4339-02DUP	2					20	9.30	8.55	-	0		
O4339-02DUP	3					50	9.21	8.16	-	0		
O4339-02DUP	4					150	9.20	8.03	-	0		
O4365-01	1	No	9.30	7.43	20.70	0.05	9.44	7.44	-	0	6307.5	pH Adjusted
O4365-01	2					0.1	9.41	6.53	2.88	6390		
O4365-01	3					0.2	9.39	4.49	4.9	6225		
O4365-01	4					0.5	9.19	0.41	-	0		
O4365-01	5					1	8.76	0.14	-	0		
O4368-01	1	No	3.97	6.69	20.30	0.5	9.43	8.64	-	0		pH Adjusted
O4368-01	2					1	9.41	8.50	-	0		
O4368-01	3					2	9.38	8.28	-	0		
O4368-01	4					5	9.30	7.80	-	0		
O4368-01	5					10	9.09	7.44	-	0		
O4368-03	1	No	4.09	6.64	20.30	0.01	9.44	8.54	-	0	4602	pH Adjusted
O4368-03	2					0.05	9.42	7.53	-	0		
O4368-03	3					0.1	9.38	6.93	2.45	5100		
O4368-03	4					0.5	9.15	1.56	7.59	4104		
O4368-03	5					1	8.81	0.15	-	0		
O4376-01	1	No	6.77	N/A	20.80	5	9.37	6.90	2.47	103.2	51.91	
O4376-01	2					20	9.26	6.36	2.9	32.25		
O4376-01	3					50	9.02	4.89	4.13	20.28		
O4376-01	4					150	7.66	0.19	-	0		
O4376-02	1	No	6.88	N/A	20.40	5	9.38	8.95	-	0	14.36	
O4376-02	2					20	9.23	7.41	-	0		
O4376-02	3					50	9.01	5.11	3.9	18.9		
O4376-02	4					150	7.78	2.12	5.66	9.82		

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)

6/12/2017

WorkList Name : bod 9-8

WorkList ID : 173395

Department : Wet-Chemistry

Date : 09-08-2023 08:59:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4339-02	WATER TREATMENT DISCHAF	Water	BOD5	Cool 4 deg C	VERI01	N11	09/07/2023	SM5210 B
O4365-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	N11	09/08/2023	SM5210 B
O4368-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N11	09/08/2023	SM5210 B
O4368-03	INLUENT	Water	BOD5	Cool 4 deg C	HOLL01	N11	09/08/2023	SM5210 B
O4376-01	001-WILLETS-PT-BLVD(SEP)	Water	BOD5	Cool 4 deg C	TULL01	N11	09/07/2023	SM5210 B
O4376-02	002-35TH-AVE(SEP)	Water	BOD5	Cool 4 deg C	TULL01	N11	09/07/2023	SM5210 B

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

09/08/2023 16:00
RM
CP 5M

Date/Time 09/08/2023 17:35
Raw Sample Received by: CP 5M
Raw Sample Relinquished by: RM CWCJ