



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB127527

Analysis Date: 09/28/2023

BOD Water: WP104405

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP102923

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP1044

NaOH, 1N: WP103989

GGA: WP104406

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3056

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: 9.40

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.27

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB127527

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:20

TIME OUT: 14:00

DATE IN: 09/28/2023

DATE OUT: 10/03/2023

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
LB127527BL	1	No	6.67	N/A	20.00	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.42	6.41	3.01	0.6	0.59	
POLYSEED	2					15	9.40	5.09	4.31	0.57		
POLYSEED	3					20	9.39	3.41	5.98	0.6		
GGA	1					6	9.36	5.22	4.14	177.5	194.67	
GGA	2					6	9.33	4.74	4.59	200		
GGA	3					6	9.33	4.61	4.72	206.5		
O4663-01	1	No	5.18	6.67	20.00	5	9.41	8.96	-	0		pH Adjusted
O4663-01	2					20	9.40	8.77	-	0		
O4663-01	3					50	9.39	8.58	-	0		
O4663-01	4					150	9.33	8.39	-	0		
O4663-01DUP	1	No	5.18	6.67	20.00	5	9.41	8.90	-	0		pH Adjusted
O4663-01DUP	2					20	9.40	8.71	-	0		
O4663-01DUP	3					50	9.37	8.62	-	0		
O4663-01DUP	4					150	9.30	8.44	-	0		
O4663-02	1	No	5.88	6.71	20.00	5	9.42	8.92	-	0		pH Adjusted
O4663-02	2					20	9.41	8.73	-	0		
O4663-02	3					50	9.40	8.54	-	0		
O4663-02	4					150	9.38	8.31	-	0		
O4663-03	1	No	5.81	6.69	20.00	5	9.41	8.88	-	0		pH Adjusted
O4663-03	2					20	9.38	8.63	-	0		
O4663-03	3					50	9.36	8.49	-	0		
O4663-03	4					150	9.35	8.35	-	0		
O4663-04	1	No	5.83	6.70	20.00	5	9.40	8.90	-	0		pH Adjusted
O4663-04	2					20	9.37	8.81	-	0		
O4663-04	3					50	9.31	8.67	-	0		
O4663-04	4					150	9.30	8.51	-	0		
O4667-01	1	No	7.05	N/A	20.00	5	9.40	8.79	-	0		
O4667-01	2					20	9.37	8.73	-	0		
O4667-01	3					50	9.31	8.59	-	0		
O4667-01	4					150	9.24	8.48	-	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)

6127527

WorkList Name : bod5-9-28

WorkList ID : 174050

Department : Wet-Chemistry

Date : 09-28-2023 08:13:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O4663-01 k	MW-20S	Water	BOD5	Cool 4 deg C	LOCK01	E31	09/27/2023	SM5210 B
O4663-02 k	MW-48S	Water	BOD5	Cool 4 deg C	LOCK01	E31	09/27/2023	SM5210 B
O4663-03 k	MW-47S	Water	BOD5	Cool 4 deg C	LOCK01	E31	09/27/2023	SM5210 B
O4663-04 k	MW-47I	Water	BOD5	Cool 4 deg C	LOCK01	E31	09/27/2023	SM5210 B
O4667-01 uJ	FRAC-TANK-A2970	Water	BOD5	Cool 4 deg C	PSEG03	E41	09/28/2023	SM5210 B

Date/Time 09/28/2023 16:00
 Raw Sample Received by: RA CWO
 Raw Sample Relinquished by: RA CWO

Date/Time 09/28/2023 17:30
 Raw Sample Received by: RA CWO
 Raw Sample Relinquished by: RA CWO