

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 04/03/2024

QC BATCH ID: LB130161

BOD Water: WP107257

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP107259

GGA: WP107258

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W2913

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP107046

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: 8.84

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 9.08

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

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB130161

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 17:00

TIME OUT: 12:00

DATE IN: 04/03/2024

DATE OUT: 04/08/2024

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
LB130161BL	1	No	6.66	N/A	20.40	300	9.47	9.46	0.01	0.01	0.01	
POLYSEED	1					10	9.45	6.24	3.21	0.64	0.63	
POLYSEED	2					15	9.44	4.60	4.84	0.65		
POLYSEED	3					20	9.39	3.38	6.01	0.6		
GGA	1					6	9.44	4.76	4.68	202.5	208	
GGA	2					6	9.41	4.62	4.79	208		
GGA	3					6	9.40	4.50	4.9	213.5		
P1951-01	1	No	8.00	7.28	20.00	2	9.45	8.33	-	0	72.3	pH Adjusted
P1951-01	2					10	9.40	6.36	3.04	72.3		
P1951-01	3					50	9.35	0.33	-	0		
P1951-01	4					100	9.16	0.14	-	0		
P1977-01	1	No	7.81	7.40	20.00	5	9.45	8.86	-	0		pH Adjusted
P1977-01	2					20	9.44	8.70	-	0		
P1977-01	3					50	9.42	8.62	-	0		
P1977-01	4					150	9.40	8.50	-	0		
P1977-03	1	No	7.43	N/A	20.00	5	9.44	8.90	-	0		
P1977-03	2					20	9.43	8.72	-	0		
P1977-03	3					50	9.42	8.58	-	0		
P1977-03	4					150	9.41	8.84	-	0		
P1977-05	1	No	7.28	N/A	20.00	5	9.45	8.88	-	0	6.08	
P1977-05	2					20	9.43	8.70	-	0		
P1977-05	3					50	9.41	7.91	-	0		
P1977-05	4					150	9.39	5.72	3.67	6.08		
P1983-02	1	No	7.16	N/A	20.40	0.5	9.44	6.67	2.77	1284	1303.5	
P1983-02	2					1	9.42	4.38	5.04	1323		
P1983-02	3					2	9.39	0.28	-	0		
P1983-02	4					3	9.34	0.26	-	0		
P1983-02DUP	1	No	7.16	N/A	20.40	0.5	9.44	6.80	2.64	1206	1278	
P1983-02DUP	2					1	9.43	4.30	5.13	1350		
P1983-02DUP	3					2	9.38	0.30	-	0		
P1983-02DUP	4					3	9.32	0.25	-	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)

26130161

WorkList Name : bod5-0403

WorkList ID : 179094

Department : Wet-Chemistry

Date : 04-03-2024 11:47:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1951-01 A	1C	Water	BOD5	Cool 4 deg C	M&MM01	I21	04/02/2024	SM5210 B
P1977-01 C	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	I31	04/03/2024	SM5210 B
P1977-03 C	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	I31	04/03/2024	SM5210 B
P1977-05 C	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	I31	04/03/2024	SM5210 B
P1983-02 C	COMP	Water	BOD5	Cool 4 deg C	ARAM01	I31	04/03/2024	SM5210 B

Date/Time 04/03/2024 14.15
 Raw Sample Received by: RM WWC
 Raw Sample Relinquished by: JH WWC

Date/Time 04/03/2024 16.30
 Raw Sample Received by: JH WWC
 Raw Sample Relinquished by: RM WWC