

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 05/08/2024

QC BATCH ID: LB130675

BOD Water: WP107822

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107824

NaOH, 1N: WP106529

GGA: WP107823

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP107608

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: 9.27

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

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.31

Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB130675

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:30

TIME OUT: 13:00

DATE IN: 05/08/2024

DATE OUT: 05/13/2024

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
LB130675BL	1	No	6.7	N/A	20.10	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.38	5.01	4.37	0.87	0.71	
POLYSEED	2					15	9.37	4.84	4.53	0.6		
POLYSEED	3					20	9.34	2.80	6.54	0.65		
GGA	1					6	9.28	5.28	4	164.5	188.67	
GGA	2					6	9.27	4.76	4.51	190		
GGA	3					6	9.26	4.32	4.94	211.5		
P2417-02	1	No	6.30	6.76	20.00	0.5	9.31	6.73	2.58	1122	1134	pH Adjusted
P2417-02	2					1	9.27	4.12	5.15	1332		
P2417-02	3					2	9.20	2.17	7.03	948		
P2417-02	4					3	9.05	0.98	-	0		
P2420-01	1	No	6.75	N/A	20.00	5	9.48	8.40	-	0	12.86	
P2420-01	2					20	9.44	7.85	-	0		
P2420-01	3					50	9.37	5.60	3.77	18.36		
P2420-01	4					150	9.33	4.94	4.39	7.36		
P2420-03	1	No	7.06	N/A	20.10	5	9.46	8.47	-	0	3.62	
P2420-03	2					20	9.34	8.01	-	0		
P2420-03	3					50	9.33	7.77	-	0		
P2420-03	4					150	9.30	6.78	2.52	3.62		
P2420-05	1	No	6.98	N/A	20.10	5	9.47	8.62	-	0	3.92	
P2420-05	2					20	9.39	7.81	-	0		
P2420-05	3					50	9.30	7.75	-	0		
P2420-05	4					150	8.97	6.30	2.67	3.92		
P2420-05DUP	1	No	6.98	N/A	20.10	5	9.45	8.72	-	0	4.1	
P2420-05DUP	2					20	9.38	7.71	-	0		
P2420-05DUP	3					50	9.29	7.36	-	0		
P2420-05DUP	4					150	8.97	6.21	2.76	4.1		

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.

L B 1 3 0 6 7 5

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5 - 05082024 WorkList ID : 180102 Department : Wet-Chemistry Date : 05-08-2024 14:08:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2417-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	K51	05/08/2024	SM5210 B
P2420-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	K51	05/08/2024	SM5210 B
P2420-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	K51	05/08/2024	SM5210 B
P2420-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	K51	05/08/2024	SM5210 B

Date/Time 05-08-2024 , 15:00
Raw Sample Received by: NF (wc)
Raw Sample Relinquished by: JH CEC

Date/Time 05-08-2024 , 16:06
Raw Sample Received by: JH CEC
Raw Sample Relinquished by: NF (wc)