

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/18/2024

QC BATCH ID: LB132498

BOD Water: WP109771

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109773

NaOH, 1N: WP108662

GGA: WP109772

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

Zero DO: WP109433

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.3	9.3	9.3
WINKLER 2	WINKLER 2	2	300	9.5	18.8	9.3	9.3

Meter Calibration1: 8.96

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.39

After Incubation

Meter Calibration2: 9.20

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132498

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:10

TIME OUT: 12:10

DATE IN: 09/18/2024

DATE OUT: 09/23/2024

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
LB132498BL	1	No	6.72	N/A	20.70	300	9.38	9.36	0.02	0.02	0.02	
POLYSEED	1					10	9.31	6.67	2.64	0.53	0.57	
POLYSEED	2					15	9.26	4.99	4.27	0.57		
POLYSEED	3					20	9.25	3.22	6.03	0.6		
GGA	1					6	9.35	5.19	4.16	179.5	187.5	
GGA	2					6	9.34	4.88	4.46	194.5		
GGA	3					6	9.35	5.01	4.34	188.5		
P4085-05	1	No	7.86	7.20	20.70	5	9.34	8.86	-	0	5.5	pH Adjusted
P4085-05	2					20	9.33	8.50	-	0		
P4085-05	3					50	9.27	7.61	-	0		
P4085-05	4					150	8.76	5.44	3.32	5.5		
P4096-01	1	No	5.06	6.89	20.70	0.05	9.35	8.20	-	0	6465	pH Adjusted
P4096-01	2					0.1	9.33	7.12	2.21	4920		
P4096-01	3					0.2	9.31	3.40	5.91	8010		
P4096-01	4					0.5	9.30	0.40	-	0		
P4096-01	5					1	8.84	0.33	-	0		
P4102-02	1	No	6.98	N/A	20.60	0.5	9.35	7.53	-	0	794	
P4102-02	2					1	9.33	6.53	2.8	669		
P4102-02	3					2	9.13	2.06	7.07	975		
P4102-02	4					3	9.01	1.06	7.95	738		
P4102-02DUP	1	No	6.98	N/A	20.60	0.5	9.34	7.36	-	0	804.17	
P4102-02DUP	2					1	9.32	6.49	2.83	678		
P4102-02DUP	3					2	9.12	1.92	7.2	994.5		
P4102-02DUP	4					3	9.00	1.03	7.97	740		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

16132498

WorkList Name : BOD5-9-18 WorkList ID : 183610 Department : Wet-Chemistry Date : 09-18-2024 12:55:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4102-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	J11	09/18/2024	SM5210 B
P4096-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	H53	09/17/2024	SM5210 B
P4085-05	PURGE-WATER	Water	BOD5	Cool 4 deg C	PSEG03	H53	09/17/2024	SM5210 B

Date/Time 09/18/2024 15:10
Raw Sample Received by: RV CWS
Raw Sample Relinquished by: RV CWS

Date/Time 09/18/2024 16:30
Raw Sample Received by: RV CWS
Raw Sample Relinquished by: RV CWS