

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 06/05/2024

QC BATCH ID: LB131091

BOD Water: wp108739

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: wp108381

NaOH, 1N: WP106529

GGA: wp108382

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108093

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.00	8.80	8.8	8.3
WINKLER 2	WINKLER 2	2	300	8.8	16.6	7.8	8.3

Meter Calibration1: 8.45

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 8.8

After Incubation

Meter Calibration2: 9.63

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB131091

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:30

TIME OUT: 15:30

DATE IN: 06/05/2024

DATE OUT: 06/10/2024

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
LB131091BL	1	No	6.7	N/A	20.00	300	8.80	8.80	0	0	0	
POLYSEED	1					10	8.55	7.04	-	0	0.4	
POLYSEED	2					15	8.48	5.85	2.63	0.35		
POLYSEED	3					20	8.46	3.92	4.54	0.45		
GGA	1					6	8.54	3.92	4.62	211	221.33	
GGA	2					6	8.54	3.88	4.66	213		
GGA	3					6	8.49	3.29	5.2	240		
P2714-01	1	No	7.60	7.42	20.00	5	8.34	7.69	-	0	4.64	pH Adjusted
P2714-01	2					20	8.31	7.33	-	0		
P2714-01	3					50	8.20	6.76	-	0		
P2714-01	4					150	7.84	5.12	2.72	4.64		
P2749-01	1	No	5.60	6.87	20.10	5	8.60	8.41	-	0		pH Adjusted
P2749-01	2					20	8.60	8.36	-	0		
P2749-01	3					50	8.64	8.17	-	0		
P2749-01	4					150	8.80	8.62	-	0		
P2749-01DUP	1	No	5.60	6.87	20.10	5	8.57	8.15	-	0		pH Adjusted
P2749-01DUP	2					20	8.47	8.17	-	0		
P2749-01DUP	3					50	8.46	7.30	-	0		
P2749-01DUP	4					150	8.80	8.62	-	0		
P2749-03	1	No	6.07	7.20	20.00	5	8.62	8.06	-	0		pH Adjusted
P2749-03	2					20	8.51	8.13	-	0		
P2749-03	3					50	8.44	7.70	-	0		
P2749-03	4					150	8.04	8.01	-	0		
P2749-05	1	No	6.22	6.51	20.00	5	8.48	8.26	-	0		pH Adjusted
P2749-05	2					20	8.36	8.30	-	0		
P2749-05	3					50	8.41	7.70	-	0		
P2749-05	4					150	8.35	7.16	-	0		
P2749-07	1	No	5.87	6.90	20.10	5	8.55	8.36	-	0		pH Adjusted
P2749-07	2					20	8.54	7.71	-	0		
P2749-07	3					50	8.45	6.68	-	0		
P2749-07	4					150	8.42	7.91	-	0		
P2749-09	1	No	6.60	N/A	20.10	5	8.47	8.34	-	0	5.66	
P2749-09	2					20	8.29	8.01	-	0		
P2749-09	3					50	8.22	7.49	-	0		
P2749-09	4					150	7.35	4.12	3.23	5.66		
P2751-01	1	No	6.52	N/A	20.00	5	8.11	0.33	-	0		
P2751-01	2					20	7.51	0.53	-	0		
P2751-01	3					50	6.35	0.15	-	0		
P2751-01	4					150	1.89	0.11	-	0		
P2751-02	1	No	6.55	N/A	20.10	5	8.09	2.11	5.98	334.8	334.8	
P2751-02	2					20	7.60	0.21	-	0		

P2751-02	3					50	6.30	0.20	-	0		
P2751-02	4					150	1.83	0.28	-	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.

LB131091

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-06052024			WorkList ID : 180819		Department : Wet-Chemistry		Date : 06-05-2024 14:19:46	
Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2749-01	SY-10S	Water	BOD5	Cool 4 deg C	LOCK01	M21	06/04/2024	SM5210 B
P2749-03	SY-10D	Water	BOD5	Cool 4 deg C	LOCK01	M21	06/04/2024	SM5210 B
P2749-05	SY-10I	Water	BOD5	Cool 4 deg C	LOCK01	M21	06/04/2024	SM5210 B
P2749-07	SY-12D	Water	BOD5	Cool 4 deg C	LOCK01	M21	06/04/2024	SM5210 B
P2749-09	SY-12I	Water	BOD5	Cool 4 deg C	LOCK01	M21	06/04/2024	SM5210 B
P2714-01	N28660	Water	BOD5	Cool 4 deg C	LOCK01	M21	06/04/2024	SM5210 B
P2751-01	001-WILLETS-PT-BLVD(JUN)	Water	BOD5	Cool 4 deg C	PSEG03	M21	06/04/2024	SM5210 B
P2751-02	002-35TH-AVE(JUN)	Water	BOD5	Cool 4 deg C	TULL01	M21	06/04/2024	SM5210 B

Date/Time 06.05.2024, 15:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: [Signature]

Date/Time 06.05.2024, 17:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: NF(wc)