

BOD5 LOG

ANALYST: Niha

SUPERVISOR: Iwona

Analysis Date: 07/19/2024

QC BATCH ID: LB131698

BOD Water: WP108777

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP108779

NaOH, 1N: WP108662

GGA: WP108778

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP108522

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.8	8.8	8.8
WINKLER 2	WINKLER 2	2	300	8.8	17.6	8.8	8.8

Meter Calibration1: 8.61

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 8.89

After Incubation

Meter Calibration2: 8.70

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

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB131698

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:30

TIME OUT: 15:00

DATE IN: 07/19/2024

DATE OUT: 07/24/2024

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
LB131698BL	1	No	6.65	N/A	20.20	300	8.90	8.89	0.01	0.01	0.01	
POLYSEED	1					10	8.80	5.81	2.99	0.6	0.6	
POLYSEED	2					15	8.72	4.90	3.82	0.51		
POLYSEED	3					20	8.69	1.90	6.79	0.68		
GGA	1					6	8.78	5.04	3.74	157	178.17	
GGA	2					6	8.77	4.92	3.85	162.5		
GGA	3					6	8.75	3.85	4.9	215		
P3295-01	1	No	6.67	N/A	20.50	5	8.59	1.01	7.58	418.8	418.8	
P3295-01	2					20	8.41	0.70	-	0		
P3295-01	3					50	7.72	0.43	-	0		
P3295-01	4					150	5.15	0.39	-	0		
P3296-01	1	No	7.49	N/A	20.10	5	8.62	5.73	2.89	137.4	103.58	
P3296-01	2					20	8.46	3.21	5.25	69.75		
P3296-01	3					50	7.86	0.35	-	0		
P3296-01	4					150	5.49	0.33	-	0		
P3296-01DUP	1	No	7.49	N/A	20.10	5	8.61	5.68	2.93	139.8	105.68	
P3296-01DUP	2					20	8.49	3.12	5.37	71.55		
P3296-01DUP	3					50	7.85	0.35	-	0		
P3296-01DUP	4					150	5.47	0.33	-	0		
P3321-01	1	No	6.45	6.60	20.50	5	8.41	5.24	3.17	154.2	154.2	pH Adjusted
P3321-01	2					20	8.15	0.55	-	0		
P3321-01	3					50	7.62	0.29	-	0		
P3321-01	4					150	5.32	0.27	-	0		
P3321-02	1	No	6.59	N/A	20.50	5	8.42	4.94	3.48	172.8	172.8	
P3321-02	2					20	8.16	0.32	-	0		
P3321-02	3					50	7.55	0.28	-	0		
P3321-02	4					150	4.89	0.27	-	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)

LB131698

WorkList Name : BOD5-07182024

WorkList ID : 181951

Department : Wet-Chemistry

Date : 07-18-2024 12:11:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3295-01	PIT	Water	BOD5	Cool 4 deg C	URBA02	C41	07/18/2024	SM5210 B
P3296-01	PIT	Water	BOD5	Cool 4 deg C	URBA02	C31	07/18/2024	SM5210 B

Date/Time 07.19.2024, 15:00
Raw Sample Received by: NFWC
Raw Sample Relinquished by: NFWC

Date/Time 07.19.2024, 17:20
Raw Sample Received by: NFWC
Raw Sample Relinquished by: NFWC

WORKLIST(Hardcopy Internal Chain)

L13131698

WorkList Name : bod5-07192024

WorkList ID : 182088

Department : Wet-Chemistry

Date : 07-19-2024 16:00:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3321-01	001-Willets-Pt-Blvd(July)	Water	BOD5	Cool 4 deg C	TULL01	K11	07/18/2024	SM5210 B
P3321-02	002-35th-Ave(July)	Water	BOD5	Cool 4 deg C	TULL01	K11	07/18/2024	SM5210 B

Date/Time07.19.2024, 16:45

Raw Sample Received by:NFLWC

Raw Sample Relinquished by:JPLWC

Date/Time07.19.2024, 17:20

Raw Sample Received by:JPLWC

Raw Sample Relinquished by:NFLWC