

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/14/2024

QC BATCH ID: LB133454

BOD Water: WP110700

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110702

NaOH, 1N: WP108662

GGA: WP110701

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

Zero DO: WP110595

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.1	18.3	9.2	9.2

Meter Calibration1: 9.30

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.27

After Incubation

Meter Calibration2: 8.89

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

Barometric Pressure2: 765 mmHg

QC BATCH ID: LB133454

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:30

TIME OUT: 11:15

DATE IN: 11/14/2024

DATE OUT: 11/19/2024

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
LB133454BL	1	No	6.56	N/A	20.50	300	9.26	9.24	0.02	0.02	0.02	
POLYSEED	1					10	9.19	6.29	2.9	0.58	0.57	
POLYSEED	2					15	9.16	5.02	4.14	0.55		
POLYSEED	3					20	9.14	3.48	5.66	0.57		
GGA	1					6	9.22	5.09	4.13	178	183.5	
GGA	2					6	9.20	4.90	4.3	186.5		
GGA	3					6	9.16	4.87	4.29	186		
P4840-02	1	No	7.48	N/A	20.00	0.5	9.15	7.44	-	0	386	
P4840-02	2					1	9.10	6.82	2.28	513		
P4840-02	3					2	9.05	6.20	2.85	342		
P4840-02	4					3	9.00	5.40	3.6	303		
P4843-01	1	No	12.02	7.18	20.10	5	9.24	7.83	-	0	15.69	pH Adjusted
P4843-01	2					20	9.20	6.94	2.26	25.35		
P4843-01	3					50	9.19	6.32	2.87	13.8		
P4843-01	4					150	9.15	4.62	4.53	7.92		
P4853-01	1	No	6.12	6.70	20.00	5	9.07	6.63	2.44	112.2	51.22	pH Adjusted
P4853-01	2					20	8.99	4.20	4.79	63.3		
P4853-01	3					50	8.58	4.10	4.48	23.46		
P4853-01	4					150	7.53	4.00	3.53	5.92		
P4853-02	1	No	6.16	6.89	20.00	5	9.10	7.05	2.05	88.8	44.18	pH Adjusted
P4853-02	2					20	8.77	4.42	4.35	56.7		
P4853-02	3					50	8.74	4.11	4.63	24.36		
P4853-02	4					150	7.96	3.96	4	6.86		
P4853-02DUP	1	No	6.16	6.89	20.00	5	9.11	6.98	2.13	93.6	45.56	pH Adjusted
P4853-02DUP	2					20	8.77	4.38	4.39	57.3		
P4853-02DUP	3					50	8.73	4.09	4.64	24.42		
P4853-02DUP	4					150	7.94	3.90	4.04	6.94		

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)

66133454

WorkList Name : bod5-11-14

WorkList ID : 185440

Department : Wet-Chemistry

Date : 11-14-2024 11:49:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4840-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L11	11/13/2024	SM5210 B
P4843-01	SW-WTS-01	Water	BOD5	Cool 4 deg C	ENTA05	L23	11/13/2024	SM5210 B
P4853-01	001-WILLETS-PT-BLVD(NOV)	Water	BOD5	Cool 4 deg C	TULL01	L41	11/13/2024	SM5210 B
P4853-02	002-35TH-AVE(NOV)	Water	BOD5	Cool 4 deg C	TULL01	L41	11/13/2024	SM5210 B

Date/Time 11/14/2024 14:30
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC

Date/Time 11/14/2024 16:00
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC