



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 03/28/2024

QC BATCH ID: LB130079

BOD Water: WP107186

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP107188

GGA: WP107187

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W2913

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR#3

GuageID: 0511064

Zero DO: WP107046

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	9.2	18.4	9.2	9.2

Meter Calibration1: 8.64

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.25

After Incubation

Meter Calibration2: 9.24

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

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB130079

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 17:30

TIME OUT: 13:00

DATE IN: 03/28/2024

DATE OUT: 04/02/2024

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
LB130079BL	1	No	6.67	N/A	20.60	300	9.24	9.22	0.02	0.02	0.02	
POLYSEED	1					10	9.20	5.99	3.21	0.64	0.63	
POLYSEED	2					15	9.18	4.20	4.98	0.66		
POLYSEED	3					20	9.14	3.12	6.02	0.6		
GGA	1					6	9.19	4.54	4.65	201	204.33	
GGA	2					6	9.17	4.50	4.67	202		
GGA	3					6	9.17	4.34	4.83	210		
P1905-02	1	No	6.20	6.64	20.60	0.5	9.20	4.77	4.43	2280	2046	pH Adjusted
P1905-02	2					1	9.15	2.48	6.67	1812		
P1905-02	3					2	9.09	0.22	-	0		
P1905-02	4					3	9.04	0.19	-	0		
P1905-02DUP	1	No	6.20	6.64	20.60	0.5	9.19	4.73	4.46	2298	2035.5	pH Adjusted
P1905-02DUP	2					1	9.14	2.60	6.54	1773		
P1905-02DUP	3					2	9.07	0.20	-	0		
P1905-02DUP	4					3	9.03	0.18	-	0		
P1916-01	1	No	5.86	6.74	20.00	5	9.20	8.81	-	0		pH Adjusted
P1916-01	2					20	9.18	8.71	-	0		
P1916-01	3					50	9.16	8.32	-	0		
P1916-01	4					150	9.13	8.15	-	0		
P1916-03	1	No	6.43	6.66	20.00	5	9.21	8.78	-	0		pH Adjusted
P1916-03	2					20	9.19	8.70	-	0		
P1916-03	3					50	9.17	8.60	-	0		
P1916-03	4					150	9.16	8.53	-	0		
P1916-05	1	No	6.54	N/A	20.00	5	9.22	8.84	-	0		
P1916-05	2					20	9.20	8.71	-	0		
P1916-05	3					50	9.18	8.50	-	0		
P1916-05	4					150	9.10	8.34	-	0		
P1916-07	1	No	6.67	N/A	20.00	5	9.21	8.70	-	0	6.54	
P1916-07	2					20	9.17	8.65	-	0		
P1916-07	3					50	9.12	8.20	-	0		
P1916-07	4					150	9.10	5.20	3.9	6.54		

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)

16130079

WorkList Name : bod5-328 WorkList ID : 178901 Department : Wet-Chemistry Date : 03-28-2024 08:04:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1916-01 H	MW-1	Water	BOD5	Cool 4 deg C	LOCK01	I23	03/27/2024	SM5210 B
P1916-03 H	MW-3	Water	BOD5	Cool 4 deg C	LOCK01	I23	03/27/2024	SM5210 B
P1916-05 H	MW-4	Water	BOD5	Cool 4 deg C	LOCK01	I23	03/27/2024	SM5210 B
P1916-07 H	MW-2	Water	BOD5	Cool 4 deg C	LOCK01	I23	03/27/2024	SM5210 B
P1905-02 A	COMP	Water	BOD5	Cool 4 deg C	ARAM01	I13	03/27/2024	SM5210 B

Date/Time 03/28/2024 15:45
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: JAC

Date/Time 03/28/2024 16:30
 Raw Sample Received by: JAC
 Raw Sample Relinquished by: RM CWC