



BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 02/23/2024

QC BATCH ID: LB129654

BOD Water: WP106722

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP106724

GGA: WP106723

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: WP106592

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 8.59

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

Barometric Pressure1: 750 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 8.56

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB129654

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:20

TIME OUT: 14:00

DATE IN: 02/23/2024

DATE OUT: 02/28/2024

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
LB129654BL	1	No	6.69	N/A	20.60	300	9.46	9.44	0.02	0.02	0.02	
POLYSEED	1					10	9.45	5.98	3.47	0.69	0.68	
POLYSEED	2					15	9.43	4.02	5.41	0.72		
POLYSEED	3					20	9.37	2.98	6.39	0.64		
GGA	1					6	9.44	4.85	4.59	195.5	200	
GGA	2					6	9.43	4.79	4.64	198		
GGA	3					6	9.42	4.61	4.81	206.5		
P1583-01	1	No	8.46	7.32	20.40	5	9.45	8.89	-	0		pH Adjusted
P1583-01	2					20	9.43	8.71	-	0		
P1583-01	3					50	9.42	8.60	-	0		
P1583-01	4					150	9.41	8.54	-	0		
P1589-01	1	No	7.28	N/A	20.00	0.5	9.44	8.31	-	0	633	
P1589-01	2					1	9.42	6.39	3.03	705		
P1589-01	3					2	9.41	4.99	4.42	561		
P1589-01	4					5	9.36	0.47	-	0		
P1589-01	5					10	9.30	0.37	-	0		
P1589-03	1	No	5.33	6.70	20.00	0.01	9.43	8.33	-	0	4491	pH Adjusted
P1589-03	2					0.05	9.42	7.68	-	0		
P1589-03	3					0.1	9.39	6.66	2.73	6150		
P1589-03	4					0.5	9.35	3.95	5.4	2832		
P1589-03	5					1	9.30	0.70	-	0		
P1589-03DUP	1	No	5.33	6.70	20.00	0.01	9.44	8.26	-	0	4452	pH Adjusted
P1589-03DUP	2					0.05	9.43	7.60	-	0		
P1589-03DUP	3					0.1	9.40	6.70	2.7	6060		
P1589-03DUP	4					0.5	9.34	3.92	5.42	2844		
P1589-03DUP	5					1	9.26	0.77	-	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.

66129654

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-0223

WorkList ID : 178136

Department : Wet-Chemistry

Date : 02-23-2024 13:38:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1583-01	MANHOLE-COMP	Water	BOD5	Cool 4 deg C	PSEG03	E21	02/23/2024	SM5210 B
P1589-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	E31	02/23/2024	SM5210 B
P1589-03	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	E31	02/23/2024	SM5210 B

Date/Time02/23/202415:15

Raw Sample Received by:RM (wec)

Raw Sample Relinquished by:RM (wec)

Date/Time02/23/202416:02

Raw Sample Received by:RM (wec)

Raw Sample Relinquished by:RM (wec)