



BOD5 LOG

ANALYST: jignesh

SUPERVISOR: Iwona

QC BATCH ID: LB129975

Analysis Date: 03/21/2024

BOD Water: WP107043

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP107045

NaOH, 1N: WP106529

GGA: WP107044

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.09

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

Barometric Pressure1: 750 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.48

After Incubation

Meter Calibration2: 8.75

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB129975

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 11:00

TIME OUT: 11:30

DATE IN: 03/21/2024

DATE OUT: 03/26/2024

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
LB129975BL	1	No	6.69	N/A	20.50	300	9.47	9.45	0.02	0.02	0.02	
POLYSEED	1					10	9.45	6.02	3.43	0.69	0.68	
POLYSEED	2					15	9.43	4.12	5.31	0.71		
POLYSEED	3					20	9.42	2.99	6.43	0.64		
GGA	1					6	9.46	4.90	4.56	194	200.67	
GGA	2					6	9.44	4.79	4.65	198.5		
GGA	3					6	9.41	4.54	4.87	209.5		
P1818-02	1	No	6.38	6.70	20.70	0.5	9.45	6.97	2.48	1080	1221	pH Adjusted
P1818-02	2					1	9.43	4.21	5.22	1362		
P1818-02	3					2	9.42	0.33	-	0		
P1818-02	4					3	9.39	0.29	-	0		
P1820-01	1	No	6.30	6.68	20.60	5	9.45	8.15	-	0	25.48	pH Adjusted
P1820-01	2					20	9.37	7.36	2.01	19.95		
P1820-01	3					50	9.23	3.38	5.85	31.02		
P1820-01	4					150	8.46	0.29	-	0		
P1820-01DUP	1	No	6.30	6.68	20.60	5	9.45	8.19	-	0	30.84	pH Adjusted
P1820-01DUP	2					20	9.36	7.39	-	0		
P1820-01DUP	3					50	9.21	3.39	5.82	30.84		
P1820-01DUP	4					150	8.45	0.31	-	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.

UB 129915

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod p1820

WorkList ID : 178736

Department : Wet-Chemistry

Date : 03-21-2024 07:57:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1818-02 <u>B</u>	COMP	Water	BOD5	Cool 4 deg C	ARAM01	P21	03/20/2024	SM5210 B
P1820-01	WASTE-WATER	Water	BOD5	Cool 4 deg C	PSEG03	P11	03/20/2024	SM5210 B

Date/Time 03/21/24 08:10

Raw Sample Received by: 306001

Raw Sample Relinquished by: CP SM

Date/Time 03/21/2024

Raw Sample Received by: CP SM

Raw Sample Relinquished by: 306001