



BOD5 LOG

ANALYST: jignesh

SUPERVISOR: Iwona

Analysis Date: 01/04/2024

QC BATCH ID: LB129017

BOD Water: WP105968

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP105970

NaOH, 1N: WP103989

GGA: WP105969

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP105589

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.65	9.65	9.65
WINKLER 2	WINKLER 2	2	300	9.65	19.3	9.65	9.65

Meter Calibration1: 9.44

Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.66

After Incubation

Meter Calibration2: 9.60

Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB129017

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 12:30

TIME OUT: 11:35

DATE IN: 01/04/2024

DATE OUT: 01/09/2024

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
LB129017BL	1	No	6.74	N/A	20.30	300	9.70	9.68	0.02	0.02	0.02	
POLYSEED	1					10	9.62	5.35	4.27	0.85	0.77	
POLYSEED	2					15	9.59	4.10	5.49	0.73		
POLYSEED	3					20	9.57	2.39	7.18	0.72		
GGA	1					6	9.59	4.77	4.82	202.5	215.17	
GGA	2					6	9.57	4.60	4.97	210		
GGA	3					6	9.54	4.11	5.43	233		
P1007-01	1	No	6.42	N/A	20.30	5	9.69	6.80	2.89	127.2	44.89	
P1007-01	2					20	9.68	6.66	3.02	33.75		
P1007-01	3					50	9.65	6.61	3.04	13.62		
P1007-01	4					150	9.61	6.34	3.27	5		
P1007-01DUP	1	No	6.42	N/A	20.40	5	9.68	6.82	2.86	125.4	44.13	
P1007-01DUP	2					20	9.64	6.69	2.95	32.7		
P1007-01DUP	3					50	9.62	6.60	3.02	13.5		
P1007-01DUP	4					150	9.59	6.36	3.23	4.92		
P1010-01	1	No	7.43	N/A	20.40	5	9.66	3.32	6.34	334.2	217.05	
P1010-01	2					20	9.61	2.18	7.43	99.9		
P1010-01	3					50	9.40	0.89	-	0		
P1010-01	4					150	8.32	0.14	-	0		
P1014-02	1	No	6.90	N/A	20.10	0.5	9.69	6.54	3.15	1428	1144.38	
P1014-02	2					1	9.68	4.28	5.4	1389		
P1014-02	3					2	9.67	2.29	7.38	991.5		
P1014-02	4					3	9.63	1.17	8.46	769		

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.

VB129017

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod p1007 WorkList ID : 176959 Department : Wet-Chemistry Date : 01-04-2024 11:05:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1007-01	F QUARTERLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	O11	01/03/2024	SM5210 B
P1010-01	F QUARTERLY-INFLUENT	Water	BOD5	Cool 4 deg C	INFR01	O11	01/03/2024	SM5210 B
P1014-02	B COMP	Water	BOD5	Cool 4 deg C	ARAM01	O11	01/03/2024	SM5210 B

Date/Time 01/04/24 11:10
Raw Sample Received by: SOLEW
Raw Sample Relinquished by: Adg

Date/Time 01/04/24 12:10
Raw Sample Received by: Adg
Raw Sample Relinquished by: SOLEW