



BOD5 LOG

ANALYST: jignesh

SUPERVISOR: Iwona

QC BATCH ID: LB129046

Analysis Date: 01/05/2024

BOD Water: WP105942

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2766

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP105994

NaOH, 1N: WP103989

GGA: WP105993

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	9.45	9.45	9.45
WINKLER 2	WINKLER 2	2	300	9.45	18.9	9.45	9.45

Meter Calibration1: 9.44

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.37

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB129046

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 14:00

TIME OUT: 11:37

DATE IN: 01/05/2024

DATE OUT: 01/10/2024

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
LB129046BL	1	No	6.72	N/A	6.00	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.42	4.36	5.06	1.01	0.89	
POLYSEED	2					15	9.39	3.08	6.31	0.84		
POLYSEED	3					20	9.35	1.22	8.13	0.81		
GGA	1					6	9.43	4.89	4.54	182.5	192.5	
GGA	2					6	9.42	4.77	4.65	188		
GGA	3					6	9.40	4.37	5.03	207		
P1047-01	1	No	6.14	N/A	20.10	5	9.43	8.55	-	0	33.69	
P1047-01	2					20	9.36	6.41	2.95	30.9		
P1047-01	3					50	9.15	2.18	6.97	36.48		
P1047-01	4					150	8.12	0.28	-	0		
P1047-01DUP	1	No	6.14	N/A	20.10	5	9.44	8.58	-	0	33.84	
P1047-01DUP	2					20	9.39	6.42	2.97	31.2		
P1047-01DUP	3					50	9.17	2.20	6.97	36.48		
P1047-01DUP	4					150	8.14	0.30	-	0		
P1047-02	1	No	6.28	N/A	20.20	5	9.47	7.63	-	0	27.5	
P1047-02	2					20	9.36	6.50	2.86	29.55		
P1047-02	3					50	9.20	4.07	5.13	25.44		
P1047-02	4					150	8.28	0.25	-	0		
P1048-01	1	No	6.05	7.2	20.30	0.5	9.43	8.60	-	0	312.45	pH Adjusted
P1048-01	2					1	9.41	6.83	2.58	507		
P1048-01	3					2	9.38	6.34	3.04	322.5		
P1048-01	4					5	9.34	4.33	5.01	247.2		
P1048-01	5					10	9.31	2.65	6.66	173.1		
P1048-05	1	No	7.70	N/A	20.40	0.01	9.43	8.50	-	0	3942	
P1048-05	2					0.05	9.41	8.41	-	0		
P1048-05	3					0.1	9.38	7.99	-	0		
P1048-05	4					0.5	9.36	1.90	7.46	3942		
P1048-05	5					1	9.29	0.24	-	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.