

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: apatel

Analysis Date: 12/10/2021

QC BATCH ID: LB117744

BOD Water: wp94325

Starch: W2703

Sulfuric acid, 1N: WP91648

POLYSEED: wp94327

GGA: wp94326

Chlorine Strips: W2544

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: W2843

NaOH, 1N: WP91991

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: wp94126

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.8	8.8	8.85
WINKLER 2	WINKLER 2	2	300	8.8	17.7	8.9	8.85

Meter Calibration1: 8.93

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.95

After Incubation

Meter Calibration2: 8.98

Barometric Pressure2: 760 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.88



QC BATCH ID: LB117744

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 15:55

TIME OUT: 11:15

DATE IN: 12/10/2021

DATE OUT: 12/15/2021

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
LB117744BL	1	No	6.4	N/A	20.60	300	8.92	8.88	0.04	0.04	0.04	
POLYSEED	1					10	8.90	5.21	3.69	0.74	0.71	
POLYSEED	2					15	8.86	3.76	5.1	0.68		
POLYSEED	3					20	8.85	1.67	7.18	0.72		
GGA	1					6	8.88	4.69	4.19	174	184.33	
GGA	2					6	8.86	3.96	4.9	209.5		
GGA	3					6	8.84	4.74	4.1	169.5		
M5015-01	1	No	8.92	7.20	20.40	1	8.90	7.22	-	0	96.07	pH Adjusted
M5015-01	2					5	8.88	6.74	2.14	85.8		
M5015-01	3					20	8.87	1.07	7.8	106.35		
M5015-01	4					50	8.85	0.15	-	0		
M5015-01DUP	1	No	8.92	7.20	20.40	1	8.88	7.20	-	0	94.8	pH Adjusted
M5015-01DUP	2					5	8.86	6.75	2.11	84		
M5015-01DUP	3					20	8.85	1.10	7.75	105.6		
M5015-01DUP	4					50	8.83	0.17	-	0		
M5016-01	1	No	2.52	7.20	20.20	1	8.90	7.96	-	0	30.31	pH Adjusted
M5016-01	2					5	8.88	7.03	-	0		
M5016-01	3					20	8.86	5.78	3.08	35.55		
M5016-01	4					50	8.83	3.94	4.89	25.08		
M5036-01	1	No	8.21	7.20	20.50	0.5	8.92	7.35	-	0	425.25	pH Adjusted
M5036-01	2					1	8.90	6.74	2.16	435		
M5036-01	3					2	8.88	5.40	3.48	415.5		
M5036-01	4					5	8.84	0.20	-	0		
M5036-01	5					10	8.82	0.17	-	0		
M5036-05	1	No	4.86	7.20	20.50	0.01	8.88	6.96	-	0	21405	pH Adjusted
M5036-05	2					0.05	8.86	4.51	4.35	21840		
M5036-05	3					0.1	8.85	1.15	7.7	20970		
M5036-05	4					0.5	8.83	0.17	-	0		
M5036-05	5					1	8.81	0.15	-	0		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

LB 117744

WorkList Name : bod121021 WorkList ID : 155051 Department : Wet-Chemistry Date : 12-10-2021 12:35:26

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
12/11/2021	Water	M5015-01	A BOD5	Cool 4 deg C	PHAR02	D11	15220012-1	12/09/2021	SM5210 B
12/11/2021	Water	M5016-01	A BOD5	Cool 4 deg C	PHAR02	D11	32220008-3	12/09/2021	SM5210 B
12/12/2021	Water	M5036-01	C BOD5	Cool 4 deg C	HOLL01	D11	EFFLUENT	12/10/2021	SM5210 B
12/12/2021	Water	M5036-05	A BOD5	Cool 4 deg C	HOLL01	D11	INFLUENT	12/10/2021	SM5210 B

Date/Time 12/10/21 14:30
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: SN6201

Date/Time 12/10/21 16:00
 Raw Sample Received by: SA6057
 Raw Sample Relinquished by: KS (WC)