

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: apatel

Analysis Date: 01/07/2022

QC BATCH ID: LB118119

BOD Water: WP94673

Starch: W2703

Sulfuric acid, 1N: WP88863

POLYSEED: WP94675

GGA: WP94674

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: W2843

NaOH, 1N: WP94570

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	8.9	8.9	8.95
WINKLER 2	WINKLER 2	2	300	8.9	17.9	9	8.95

Meter Calibration1: 9.03

Barometric Pressure1: 760 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.85

After Incubation

Meter Calibration2: 8.90

Barometric Pressure2: 765 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.80

QC BATCH ID: LB118119

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 13:30

TIME OUT: 11:15

DATE IN: 01/07/2022

DATE OUT: 01/12/2022

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
LB118119BL	1	No	6.4	N/A	21.20	300	8.90	8.82	0.08	0.08	0.08	
POLYSEED	1					10	8.88	4.55	4.33	0.87	0.78	
POLYSEED	2					15	8.86	3.55	5.31	0.71		
POLYSEED	3					20	8.83	1.30	7.53	0.75		
GGA	1					6	8.85	3.50	5.35	228.5	207.33	
GGA	2					6	8.83	3.97	4.86	204		
GGA	3					6	8.82	4.25	4.57	189.5		
N1057-01	1	No	6.86	N/A	20.20	5	8.90	8.80	-	0		
N1057-01	2					20	8.88	8.00	-	0		
N1057-01	3					50	8.86	7.94	-	0		
N1057-01	4					150	8.85	7.75	-	0		
N1057-01DUP	1	No	6.86	N/A	20.20	5	8.89	8.78	-	0		
N1057-01DUP	2					20	8.87	7.98	-	0		
N1057-01DUP	3					50	8.85	7.92	-	0		
N1057-01DUP	4					150	8.83	7.77	-	0		
N1058-01	1	No	6.92	N/A	20.30	5	8.82	8.80	-	0		
N1058-01	2					20	8.86	8.72	-	0		
N1058-01	3					50	8.83	8.65	-	0		
N1058-01	4					150	8.81	8.58	-	0		
N1060-01	1	No	10.62	7.20	20.10	1	8.86	8.47	-	0	89.4	pH Adjusted
N1060-01	2					5	8.77	6.50	2.27	89.4		
N1060-01	3					20	8.57	0.22	-	0		
N1060-01	4					50	7.99	0.15	-	0		
N1061-01	1	No	8.36	N/A	20.10	1	8.90	7.75	-	0	51.9	
N1061-01	2					5	8.87	6.48	2.39	96.6		
N1061-01	3					20	8.85	5.59	3.26	37.2		
N1061-01	4					50	8.83	4.40	4.43	21.9		
N1062-01	1	No	9.04	7.20	20.30	0.1	8.84	6.27	2.57	5370	6157.5	pH Adjusted
N1062-01	2					0.2	8.81	3.40	5.41	6945		
N1062-01	3					0.5	8.79	0.16	-	0		
N1062-01	4					1.0	8.78	0.14	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB 118719

WorkList Name : bod1722 WorkList ID : 155840 Department : Wet-Chemistry Date : 01-07-2022 11:48:40

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
01/08/2022	Water	N1057-01	BOD5	Cool 4 deg C	PSEG03	I11	RSW003	01/06/2022	SM5210 B
01/08/2022	Water	N1058-01	BOD5	Cool 4 deg C	PSEG03	I21	DSN001	01/06/2022	SM5210 B
01/08/2022	Water	N1060-01	BOD5	Cool 4 deg C	PHAR02	H11	15220012-1	01/06/2022	SM5210 B
01/08/2022	Water	N1061-01	BOD5	Cool 4 deg C	PHAR02	H11	3222008-3	01/06/2022	SM5210 B
01/08/2022	Water	N1062-01	BOD5	Cool 4 deg C	MAJO01	H11	DRAIN-WATER-TANK-1	01/06/2022	SM5210 B

Date/Time 01/07/22 11:55
 Raw Sample Received by: KS(WC)
 Raw Sample Relinquished by: JP(WC)

Date/Time 01/07/22 13:35
 Raw Sample Received by: JP(WC)
 Raw Sample Relinquished by: KS(WC)