

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: apatel

Analysis Date: 12/08/2021

QC BATCH ID: LB117691

BOD Water: wp94235

Starch: W2703

Sulfuric acid, 1N: WP88863

POLYSEED: wp94239

GGA: wp94237

Chlorine Strips: W2543

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: 8.81

Barometric Pressure1: 760 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.89

After Incubation

Meter Calibration2: 8.96

Barometric Pressure2: 765 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.80



QC BATCH ID: LB117691

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 08:55

TIME OUT: 10:30

DATE IN: 12/08/2021

DATE OUT: 12/13/2021

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
LB117691BL	1	No	6.4	N/A	21.20	300	8.85	8.82	0.03	0.03	0.03	
POLYSEED	1					10	8.81	4.56	4.25	0.85	0.77	
POLYSEED	2					15	8.79	3.55	5.24	0.7		
POLYSEED	3					20	8.85	1.30	7.55	0.76		
GGA	1					6	8.83	3.50	5.33	228	207.17	
GGA	2					6	8.81	3.97	4.84	203.5		
GGA	3					6	8.82	4.25	4.57	190		
M4953-01	1	No	10.72	7.20	20.10	5	8.80	7.44	-	0	11.71	pH Adjusted
M4953-01	2					20	8.78	7.02	-	0		
M4953-01	3					50	8.74	5.69	3.05	13.68		
M4953-01	4					150	8.70	3.06	5.64	9.74		
M4953-01DUP	1	No	10.72	7.20	20.10	5	8.82	7.45	-	0	11.69	pH Adjusted
M4953-01DUP	2					20	8.79	7.05	-	0		
M4953-01DUP	3					50	8.75	5.70	3.05	13.68		
M4953-01DUP	4					150	8.72	3.10	5.62	9.7		
M4953-02	1	No	11.50	7.20	20.30	5	8.82	7.59	-	0	13.17	pH Adjusted
M4953-02	2					20	8.80	6.91	-	0		
M4953-02	3					50	8.77	5.18	3.59	16.92		
M4953-02	4					150	8.75	3.27	5.48	9.42		
M4953-03	1	No	11.35	7.20	20.30	5	8.83	7.65	-	0	12.87	pH Adjusted
M4953-03	2					20	8.80	6.95	-	0		
M4953-03	3					50	8.77	5.25	3.52	16.5		
M4953-03	4					150	8.74	3.35	5.39	9.24		

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

LB 117691

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD 12821 WorkList ID : 154958 Department : Wet-Chemistry Date : 12-08-2021 08:37:45

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
12/08/2021	Water	M4953-01	BOD5	Cool 4 deg C	PSEG03	F52	A377	12/06/2021	SM5210 B
12/08/2021	Water	M4953-02	BOD5	Cool 4 deg C	PSEG03	F52	A3718	12/06/2021	SM5210 B
12/08/2021	Water	M4953-03	BOD5	Cool 4 deg C	PSEG03	F52	A1513	12/06/2021	SM5210 B

Date/Time 12/08/21 08:40
Raw Sample Received by: KS (wc)
Raw Sample Relinquished by: [Signature]

Date/Time 12/08/21 09:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: KS (wc)