

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: Iwona

Analysis Date: 11/19/2021

QC BATCH ID: LB117467

BOD Water: WP94004

Starch: W2703

Sulfuric acid, 1N: WP88863

POLYSEED: WP94006

GGA: WP94005

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: WP93693

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: 9.07

Barometric Pressure1: 771 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.95

After Incubation

Meter Calibration2: 9.02

Barometric Pressure2: 765 mmHg

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

Winkler titrated BOD fluid DO reading2: 8.88



QC BATCH ID: LB117467

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:45

TIME OUT: 13:00

DATE IN: 11/19/2021

DATE OUT: 11/24/2021

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
LB117467BL	1	No	6.4	N/A	21.20	300	8.93	8.86	0.07	0.07	0.07	
POLYSEED	1					10	8.89	5.38	3.51	0.7	0.69	
POLYSEED	2					15	8.88	3.92	4.96	0.66		
POLYSEED	3					20	8.86	1.85	7.01	0.7		
GGA	1					6	8.83	4.25	4.58	194.5	211.83	
GGA	2					6	8.81	3.95	4.86	208.5		
GGA	3					6	8.85	3.51	5.34	232.5		
M4759-01	1	No	6.45	N/A	20.80	5	8.90	7.62	-	0	10.07	
M4759-01	2					20	8.88	7.60	-	0		
M4759-01	3					50	8.84	6.45	2.39	10.2		
M4759-01	4					150	8.80	3.14	5.66	9.94		
M4759-01DUP	1	No	6.45	N/A	20.80	5	8.88	7.60	-	0	10.04	
M4759-01DUP	2					20	8.86	7.58	-	0		
M4759-01DUP	3					50	8.82	6.43	2.39	10.2		
M4759-01DUP	4					150	8.78	3.15	5.63	9.88		
M4775-02	1	No	5.42	7.20	21.20	5	8.88	8.09	-	0		pH Adjusted
M4775-02	2					20	8.87	8.08	-	0		
M4775-02	3					50	8.86	8.02	-	0		
M4775-02	4					150	8.85	7.70	-	0		
M4775-04	1	No	6.17	N/A	21.00	5	8.87	7.87	-	0	4.7	
M4775-04	2					20	8.85	7.17	-	0		
M4775-04	3					50	8.71	7.13	-	0		
M4775-04	4					150	8.60	5.56	3.04	4.7		
M4775-06	1	No	5.70	7.20	21.20	5	8.86	7.57	-	0	3.2	pH Adjusted
M4775-06	2					20	8.84	7.49	-	0		
M4775-06	3					50	8.80	6.83	-	0		
M4775-06	4					150	8.76	6.47	2.29	3.2		
M4775-08	1	No	6.53	N/A	21.10	5	8.91	7.52	-	0	18.64	
M4775-08	2					20	8.80	6.36	2.44	26.25		
M4775-08	3					50	8.78	5.40	3.38	16.14		
M4775-08	4					150	8.75	1.30	7.45	13.52		
M4775-10	1	No	5.96	7.20	21.20	5	8.90	7.55	-	0	2.84	pH Adjusted
M4775-10	2					20	8.88	7.27	-	0		
M4775-10	3					50	8.85	7.09	-	0		
M4775-10	4					150	8.83	6.72	2.11	2.84		
M4785-01	1	No	6.70	N/A	21.30	0.5	8.76	7.66	-	0	113.7	
M4785-01	2					1	8.75	7.57	-	0		
M4785-01	3					2	8.73	6.89	-	0		
M4785-01	4					5	8.72	6.00	2.72	121.8		
M4785-01	5					10	8.70	4.49	4.21	105.6		
M4785-05	1	No	4.37	7.20	21.20	0.01	8.77	7.01	-	0	15315	pH Adjusted

M4785-05	2					0.05	8.75	5.44	3.31	15720		
M4785-05	3					0.1	8.73	3.07	5.66	14910		
M4785-05	4					0.5	8.72	0.18	-	0		
M4785-05	5					1	8.70	0.16	-	0		
M4797-01	1	No	7.20	N/A	21.20	5	8.75	7.31	-	0	36.45	
M4797-01	2					20	8.67	5.04	3.63	44.1		
M4797-01	3					50	8.50	3.01	5.49	28.8		
M4797-01	4					150	7.77	0.14	-	0		
M4797-02	1	No	7.49	N/A	21.30	5	8.75	7.69	-	0	27.75	
M4797-02	2					20	8.71	6.17	2.54	27.75		
M4797-02	3					50	8.59	0.17	-	0		
M4797-02	4					150	8.05	0.14	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB117467

WorkList Name : bod111921 WorkList ID : 154525 Department : Wet-Chemistry Date : 11-19-2021 11:35:03

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
11/19/2021	Water	M4759-01	BOD5	Cool 4 deg C	LOCK01	D32	SY-3-20211117	11/17/2021	SM5210 B
11/20/2021	Water	M4775-02	BOD5	Cool 4 deg C	LOCK01	D41	PK-10S-20211118	11/18/2021	SM5210 B
11/20/2021	Water	M4775-04	BOD5	Cool 4 deg C	LOCK01	D41	PK-10I-20211118	11/18/2021	SM5210 B
11/20/2021	Water	M4775-06	BOD5	Cool 4 deg C	LOCK01	D41	PK-10D-20211118	11/18/2021	SM5210 B
11/20/2021	Water	M4775-08	BOD5	Cool 4 deg C	LOCK01	D41	RW-12I-20211118	11/18/2021	SM5210 B
11/20/2021	Water	M4775-10	BOD5	Cool 4 deg C	LOCK01	D41	RW-12D-20211118	11/18/2021	SM5210 B
11/21/2021	Water	M4785-01	BOD5	Cool 4 deg C	HOLL01	D41	EFFLUENT	11/19/2021	SM5210 B
11/21/2021	Water	M4785-05	BOD5	Cool 4 deg C	HOLL01	D41	INFLUENT	11/19/2021	SM5210 B
11/21/2021	Water	M4797-01	BOD5	Cool 4 deg C	TRIS02	D41	DSN-001-SEWER-OUTLE	11/19/2021	SM5210 B
11/21/2021	Water	M4797-02	BOD5	Cool 4 deg C	TRIS02	D41	DSN-002-SEWER-OUTLE	11/19/2021	SM5210 B

Date/Time 11/19/21 16:40
 Raw Sample Received by: KS (WC)
 Raw Sample Relinquished by: RECDIB (sb)

Date/Time 11/19/21 17:50
 Raw Sample Received by: RECDIB (sb)
 Raw Sample Relinquished by: KS (WC)