CHEMTECH

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: apatel

QC BATCH ID: LB115288

Analysis Date: 07/09/2021

BOD Water: WP91926

MANGANOUS SULFATE SOLUTION: W2767

Starch: W2703

Alkaline Iodide Azide: W2742

Sulfuric acid, 1N: WP88863

Sodium Thiosulfate, 0.025N: WP90938

POLYSEED: WP91928

NaOH, 1N: WP89214

GGA: WP91927

IncubatorID: INCUBATOR #3

Chlorine Strips: W2543

GuageID: 0511064

pH Strips: W2716

Zero DO: WP91886

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.7	8.7	8.8
WINKLER 2	WINKLER 2	2	300	8.7	17.6	8.9	8.8

Meter Calibration1: 8.30 Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg Winkler titrated BOD fluid DO reading1: 8.71

After Incubation

Meter Calibration2: 8.70 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg Winkler titrated BOD fluid DO reading2: 8.66

CHEMTECH

QC BATCH ID: LB115288

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 16:50

TIME OUT: 11:30

DATE IN: 07/09/2021

DATE OUT: 07/14/2021

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp ℃	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB115288BL	1	No	6.0	N/A	21.20	300	8.75	8.65	0.1	0.1	0.1	
POLYSEED	1					10	8.75	5.46	3.29	0.66	0.64	
POLYSEED	2					15	8.73	3.95	4.78	0.64		
POLYSEED	3					20	8.75	2.52	6.23	0.62		
GGA	1					6	8.70	4.38	4.32	184	193	
GGA	2					6	8.65	4.11	4.54	195		
GGA	3					6	8.71	4.07	4.64	200		
M2979-01	1	No	3.07	7.20	24.00	0.5	8.74	1.05	7.69	4230	4230	pH Adjuste
M2979-01	2					1	8.73	0.27	-	0		
M2979-01	3					5	8.71	0.19	-	0		
M2979-01	4					10	8.70	0.17	-	0		
M2980-01	1	No	5.66	7.20	24.00	1	8.74	6.61	2.13	447	428.7	pH Adjuste
M2980-01	2					5	8.70	1.22	7.48	410.4		
M2980-01	3					20	8.43	0.22	-	0		
M2980-01	4					50	7.48	0.20	-	0		
M2986-01	1	No	6.13	N/A	23.80	0.1	8.75	6.37	2.38	5220	3380.25	
M2986-01	2					0.2	8.72	5.44	3.28	3960		
M2986-01	3					0.5	8.70	4.27	4.43	2274		
M2986-01	4					1	8.68	1.15	7.53	2067		
M2999-01	1	No	8.60	7.20	24.00	5	8.68	7.36	-	0	3.68	pH Adjuste
M2999-01	2					20	8.56	7.35	-	0		
M2999-01	3					50	8.20	6.22	-	0		
M2999-01	4					150	6.75	4.27	2.48	3.68		
M2999-01DUP	1	No	8.60	7.20	24.00	5	8.65	7.35	-	0	3.68	pH Adjuste
M2999-01DUP	2					20	8.55	7.33	-	0		
M2999-01DUP	3					50	8.18	6.20	-	0		
M2999-01DUP	4					150	6.73	4.25	2.48	3.68		
M3004-01	1	No	6.80	N/A	23.70	0.5	8.71	7.46	-	0	182.4	
M3004-01	2					1	8.70	7.22	-	0		
M3004-01	3					2	8.68	6.86	-	0		
M3004-01	4					5	8.67	4.99	3.68	182.4		
M3004-01	5					20	8.66	0.20	-	0		

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

LB1152888

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod7921 **WorkList ID :** 150444 **Department :** Wet-Chemistry **Date :** 07-09-2021 10:09:35

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
07/10/2021	Water	M2979-01 B	BOD5	Cool 4 deg C	PHAR02	L13	32220008-3	07/08/2021	SM5210 B
07/10/2021	Water	M2980-01 B	BOD5	Cool 4 deg C	PHAR02	L13	15220012-1	07/08/2021	SM5210 B
07/10/2021	Water	M2986-01 ✓	BOD5	Cool 4 deg C	MAJO01	L13	DRAIN-WATER-TANK-1	07/08/2021	SM5210 B
07/11/2021	Water	M2999-01 O	BOD5	Cool 4 deg C	PSEG03	L21	FRAC-TANK-N43502	07/09/2021	SM5210 B
07/11/2021	Water	M3004-01 B	BOD5	Cool 4 deg C	ARDM01	L21	EFF-WW	07/09/2021	SM5210 B

Date/Time 07/09/21 16:30
Raw Sample Received by: KS (WC)
Raw Sample Relinquished by: JP (WC)

Date/Time 07/09/21 16:55
Raw Sample Received by: JP (WC)
Raw Sample Relinquished by: KS (WC)