CHEMTECH

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB124613

Analysis Date: 03/22/2023

BOD Water: WP101622

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP100509

Sodium Thiosulfate, 0.025N: W2941

POLYSEED: WP101624

NaOH, 1N: WP101216

GGA: WP101623

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3006

Zero DO: WP101527

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.2	18.4	9.2	9.2

Meter Calibration1: 8.86 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 776 mmHg DO Meter BOD fluid reading for winkler comparison: 9.32

After Incubation

Meter Calibration2: 8.54 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg

CHEMTECH

QC BATCH ID: LB124613

INCUBATOR TEMP IN(C): 19.9 **INCUBATOR TEMP OUT(C):** 19.9

TIME IN: 09:40 **TIME OUT:** 10:00

DATE IN: 03/22/2023 **DATE OUT:** 03/27/2023

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
LB124613BL	1	No	6.73	N/A	20.80	300	9.31	9.30	0.01	0.01	0.01	
POLYSEED	1					10	9.25	4.84	4.41	0.88	0.75	
POLYSEED	2					15	9.22	3.66	5.56	0.74		
POLYSEED	3					20	9.21	2.82	6.39	0.64		
GGA	1					6	9.26	4.71	4.55	190	209.67	
GGA	2					6	9.24	4.28	4.96	210.5		
GGA	3					6	9.23	3.91	5.32	228.5		
O1953-03	1	No	2.67	6.60	20.40	1	9.16	7.61	-	0	66.9	pH Adjuste
O1953-03	2					5	9.15	7.40	-	0		
O1953-03	3					20	9.14	3.93	5.21	66.9		
O1953-03	4					50	9.12	0.18	-	0		
O1953-03	5					100	9.10	0.17	-	0		
O2020-41	1	No	12.12	7.43	20.60	5	9.30	8.25	-	0	12.1	pH Adjuste
O2020-41	2					20	9.29	7.65	-	0		
O2020-41	3					50	9.06	5.75	3.31	15.36		
O2020-41	4					150	8.16	2.99	5.17	8.84		
O2020-41DUP	1	No	12.12	7.43	20.60	5	9.29	8.24	-	0	12.18	pH Adjuste
O2020-41DUP	2					20	9.28	7.64	-	0		
O2020-41DUP	3					50	9.07	5.74	3.33	15.48		
O2020-41DUP	4					150	8.17	2.98	5.19	8.88		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.
NOTE: 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

tb124613

WorkList Name : bod3-22 **WorkList ID :** 168377 **Department :** Wet-Chemistry **Date :** 03-22-2023 08:22:36

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
03/16/2023	Water	O1953-03	BOD5	Cool 4 deg C	CHEM02	QA Of	PT-DEM-WP	03/14/2023	SM5210 B
03/22/2023	Water	O2020-41	BOD5	Cool 4 deg C	PSEG03	K11	FRAC-TANK-A821	03/20/2023	SM5210 B

Date/Time 03/22/2023 08:30
Raw Sample Received by: RM (WC)
Raw Sample Relinquished by: [illegible] (QC)

Date/Time 03/22/2023 09:40
Raw Sample Received by: [illegible] (QC)
Raw Sample Relinquished by: RM (WC)