CHEMTECH

BOD 7 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB124084

Analysis Date: 02/15/2023

BOD Water: WP101028

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP100509

Sodium Thiosulfate, 0.025N: W2941

POLYSEED: WP101030

NaOH, 1N: WP98644

GGA: WP101029

IncubatorID: INCUBATOR #3

Chlorine Strips: W2011

GuageID: 0511064

pH Strips: W3006

Zero DO: WP101031

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.70	8.7	8.7
WINKLER 2	WINKLER 2	2	300	8.70	17.4	8.7	8.7

Meter Calibration1: 8.64 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 8.77

After Incubation

Meter Calibration2: 8.54 Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg

CHEMTECH

QC BATCH ID: LB124084

INCUBATOR TEMP IN(C): 19.9 **INCUBATOR TEMP OUT(C):** 19.8

TIME IN: 10:00 **TIME OUT:** 12:00

DATE IN: 02/15/2023 **DATE OUT:** 02/22/2023

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
LB124084BL	1	No	7.10	N/A	20.10	300	8.76	8.75	0.01	0.01	0.01	
POLYSEED	1					10	8.66	6.35	2.31	0.46	0.55	
POLYSEED	2					15	8.64	4.28	4.36	0.58		
POLYSEED	3					20	8.62	2.38	6.24	0.62		
GGA	1					6	8.65	4.63	4.02	173.5	199.67	
GGA	2					6	8.63	3.48	5.15	230		
GGA	3					6	8.62	4.16	4.46	195.5		
O1543-05	1	No	6.24	6.80	20.10	0.1	8.71	7.20	-	0	905.4	pH Adjuste
O1543-05	2					0.5	8.65	5.88	2.77	1332		
O1543-05	3					1	8.64	4.59	4.05	1050		
O1543-05	4					5	8.63	2.51	6.12	334.2		
O1543-05DUP	1	No	6.24	6.80	20.10	0.1	8.72	7.19	-	0	899.4	pH Adjuste
O1543-05DUP	2					0.5	8.64	5.89	2.75	1320		
O1543-05DUP	3					1	8.63	4.60	4.03	1044		
O1543-05DUP	4					5	8.62	2.50	6.12	334.2		
O1554-05	1	No	7.03	N/A	20.00	0.1	8.74	7.45	-	0	1884	
O1554-05	2					0.5	8.70	5.01	3.69	1884		
O1554-05	3					1	8.69	0.30	-	0		
O1554-05	4					5	8.68	0.23	-	0		

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)

Lb124084

WorkList Name : BOD7 2-14 **WorkList ID :** 167381 **Department :** Wet-Chemistry **Date :** 02-14-2023 17:10:31

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
02/15/2023	Water	O1543-05	BOD_7	1:1 HNO3 to p	AMER08	G22	BOD	02/13/2023	SM5210 B
02/16/2023	Water	O1554-05	BOD_7	1:1 HNO3 to p	AMER08	G31	BOD	02/14/2023	SM5210 B

Date/Time 02/15/2023 08:20
Raw Sample Received by: RM (WC)
Raw Sample Relinquished by: TA (CDC)

Date/Time 02/15/2023 10:00
Raw Sample Received by: TA (CDC)
Raw Sample Relinquished by: RM (WC)