CHEMTECH

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB129444

Analysis Date: 02/08/2024

BOD Water: WP106482

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP105744

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP106484

NaOH, 1N: WP103989

GGA: WP106483

IncubatorID: INCUBATOR#3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP106040

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: 8.99 Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.28

After Incubation

Meter Calibration2: 8.71 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 750 mmHg

CHEMTECH

QC BATCH ID: LB129444

INCUBATOR TEMP IN(C): 20.1 **INCUBATOR TEMP OUT(C):** 20.6

TIME IN: 13:30 **TIME OUT:** 12:00

DATE IN: 02/08/2024 **DATE OUT:** 02/13/2024

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
LB129444BL	1	No	6.77	N/A	20.60	300	9.27	9.26	0.01	0.01	0.01	
POLYSEED	1					10	9.25	6.02	3.23	0.65	0.61	
POLYSEED	2					15	9.23	4.95	4.28	0.57		
POLYSEED	3					20	9.22	3.19	6.03	0.6		
GGA	1					6	9.24	5.07	4.17	178	182.33	
GGA	2					6	9.18	4.90	4.28	183.5		
GGA	3					6	9.15	4.83	4.32	185.5		
P1404-01	1	No	8.09	7.28	20.70	5	9.21	8.48	-	0	12.06	pH Adjuste
P1404-01	2					20	9.20	7.06	2.14	22.95		
P1404-01	3					50	9.18	7.00	2.18	9.42		
P1404-01	4					150	9.16	6.65	2.51	3.8		
P1407-02	1	No	6.24	6.68	20.70	0.5	9.22	5.42	3.8	1914	1732.5	pH Adjuste
P1407-02	2					1	9.20	3.42	5.78	1551		
P1407-02	3					2	9.18	0.63	-	0		
P1407-02	4					3	9.14	0.21	-	0		
P1410-01	1	No	7.13	N/A	20.50	5	9.22	8.34	-	0	11.49	
P1410-01	2					20	9.20	8.29	-	0		
P1410-01	3					50	9.19	6.49	2.7	12.54		
P1410-01	4					150	9.17	3.34	5.83	10.44		
P1410-03	1	No	6.43	6.72	20.80	5	9.22	7.50	-	0	18.92	pH Adjuste
P1410-03	2					20	9.18	6.42	2.76	32.25		
P1410-03	3					50	9.16	5.56	3.6	17.94		
P1410-03	4					150	9.15	5.26	3.89	6.56		
P1410-05	1	No	6.93	N/A	20.80	5	9.19	8.27	-	0	6.08	
P1410-05	2					20	9.15	8.10	-	0		
P1410-05	3					50	9.12	7.46	-	0		
P1410-05	4					150	9.05	5.40	3.65	6.08		
P1410-05DUP	1	No	6.93	N/A	20.80	5	9.18	8.34	-	0	5.9	
P1410-05DUP	2					20	9.17	7.90	-	0		
P1410-05DUP	3					50	9.14	7.62	-	0		
P1410-05DUP	4					150	9.04	5.48	3.56	5.9		

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)

L1294444

WorkList Name : bod5-0207 **WorkList ID :** 177691 **Department :** Wet-Chemistry **Date :** 02-07-2024 08:47:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1404-01	MONTHLY-OUTFALL-002	Water	BOD5	Cool 4 deg C	INFR01	E31	02/07/2024	SM5210 B
P1407-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	E31	02/07/2024	SM5210 B
P1410-01	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	D31	02/07/2024	SM5210 B
P1410-03	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	D31	02/07/2024	SM5210 B
P1410-05	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	D31	02/07/2024	SM5210 B

Date/Time 02/08/2024 11.45
Raw Sample Received by: RM (WC)
Raw Sample Relinquished by: RM (WC)

Date/Time 02/08/2024 13.00
Raw Sample Received by: (Cool)
Raw Sample Relinquished by: RM (WC)