CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

BOD5 LOG

ANALYST: Niha
SUPERVISOR: Iwona

QC BATCH ID: LB130663
Analysis Date: 05/08/2024
BOD Water: WP107822
MANGANOUS SULFATE SOLUTION: W3103
Starch: W2977
Alkaline Iodide Azide: W2914
Sulfuric acid, 1N: WP105744
Sodium Thiosulfate, 0.025N: W2976
POLYSEED: WP10784
NaOH, 1N: WP106529
GGA: WP10783
IncubatorID: INCUBATOR #3
Chlorine Strips: W2965
GuageID: 0511064
pH Strips: W3056
Zero DO: WP107608

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading(ML)	Final Reading(ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.28 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.31 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

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INCUBATOR TEMP IN(C): 20.0 **INCUBATOR TEMP OUT(C):** 20.0

TIME IN: 11:00 **TIME OUT:** 11:00

DATE IN: 05/08/2024 **DATE OUT:** 05/13/2024

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
LB130663BL	1	No	6.7	N/A	20.00	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.38	5.01	4.37	0.87	0.71	
POLYSEED	2					15	9.37	4.84	4.53	0.6		
POLYSEED	3					20	9.34	2.80	6.54	0.65		
GGA	1					6	9.27	5.28	3.99	164	188.67	
GGA	2					6	9.28	4.76	4.52	190.5		
GGA	3					6	9.26	4.32	4.94	211.5		
P2399-01	1	No	6.72	N/A	20.00	0.5	9.34	6.63	2.71	1200	1383	
P2399-01	2					1	9.22	3.29	5.93	1566		
P2399-01	3					2	9.03	0.25	-	0		
P2399-01	4					5	8.41	0.24	-	0		
P2399-01	5					10	6.76	0.20	-	0		
P2399-05	1	No	4.54	6.83	20.00	0.01	9.40	7.81	-	0	15285	pH Adjuste
P2399-05	2					0.05	9.37	6.23	3.14	14580		
P2399-05	3					0.1	9.35	3.31	6.04	15990		
P2399-05	4					0.5	9.30	0.28	-	0		
P2399-05	5					1	8.98	0.21	-	0		
P2406-01	1	No	5.98	6.50	20.00	0.05	9.40	8.52	-	0	2140.5	pH Adjuste
P2406-01	2					0.1	9.38	7.87	-	0		
P2406-01	3					0.2	9.26	7.45	-	0		
P2406-01	4					0.5	9.23	4.65	4.58	2322		
P2406-01	5					1	8.81	1.57	7.24	1959		
P2410-01	1	No	7.30	N/A	20.10	5	9.33	7.01	2.32	96.6	39.14	
P2410-01	2					20	9.30	6.47	2.83	31.8		
P2410-01	3					50	9.28	5.46	3.82	18.66		
P2410-01	4					150	9.01	3.55	5.46	9.5		
P2410-01DUP	1	No	7.30	N/A	20.10	5	9.31	7.12	2.19	88.8	38.35	
P2410-01DUP	2					20	9.28	6.10	3.18	37.05		
P2410-01DUP	3					50	9.27	5.48	3.79	18.48		
P2410-01DUP	4					150	9.00	3.75	5.25	9.08		

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.

LB130663

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-05082024 **WorkList ID :** 180070 **Department :** Wet-Chemistry **Date :** 05-08-2024 08:44:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2399-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K31	05/06/2024	SM5210 B
P2399-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K31	05/06/2024	SM5210 B
P2406-01	DRAIN-WATER-TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	K31	05/07/2024	SM5210 B
P2410-01	A2295	Water	BOD5	Cool 4 deg C	PSEG03	K41	05/07/2024	SM5210 B

Date/Time 05.08.2024 , 10:00

Raw Sample Received by: NF(WC)

Raw Sample Relinquished by: [signature]

Date/Time 05.08.2024 , 11:00

Raw Sample Received by: [signature]

Raw Sample Relinquished by: NF(WC)