

**BOD5 LOG**ANALYST: jigneshSUPERVISOR: IwonaQC BATCH ID: LB128985Analysis Date: 12/29/2023BOD Water: WP105935MANGANOUS SULFATE SOLUTION: W2913Starch: W2977Alkaline Iodide Azide: W2914Sulfuric acid, 1N: WP105744Sodium Thiosulfate, 0.025N: W2976POLYSEED: WP105937NaOH, 1N: WP103989GGA: WP105936IncubatorID: INCUBATOR #3Chlorine Strips: W2965GuageID: 0511064pH Strips: W3056Zero DO: WP105589

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.40	9.4	9.45
WINKLER 2	WINKLER 2	2	300	9.40	18.9	9.5	9.45

Meter Calibration1: 9.38Zero DO Reading1: 0.09 mg/L (<=0.2 Criteria)Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.35**After Incubation**Meter Calibration2: 9.28Zero DO Reading2: 0.09 mg/L (<=0.2 Criteria)Barometric Pressure2: 760 mmHg



QC BATCH ID: LB128985

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 12:00

TIME OUT: 12:30

DATE IN: 12/29/2023

DATE OUT: 01/03/2024

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
LB128985BL	1	No	9.40	N/A	20.20	300	9.39	9.30	0.09	0.09	0.09	
POLYSEED	1					10	9.37	6.21	3.16	0.63	0.61	
POLYSEED	2					15	9.35	4.28	5.07	0.68		
POLYSEED	3					20	9.31	4.05	5.26	0.53		
GGA	1					6	9.31	4.74	4.57	198	205.83	
GGA	2					6	9.30	4.61	4.69	204		
GGA	3					6	9.29	4.37	4.92	215.5		
O6038-07	1	No	7.75	N/A	20.20	5	9.32	7.92	-	0	20.55	
O6038-07	2					20	9.31	6.88	2.43	27.3		
O6038-07	3					50	9.29	4.47	4.82	25.26		
O6038-07	4					150	8.82	3.67	5.15	9.08		
O6038-07DUP	1	No	7.75	N/A	20.20	5	9.33	7.95	-	0	20.45	
O6038-07DUP	2					20	9.32	6.90	2.42	27.15		
O6038-07DUP	3					50	9.30	4.50	4.8	25.14		
O6038-07DUP	4					150	8.84	3.70	5.14	9.06		

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)

W3 128985

WorkList Name : bod o6038 **WorkList ID :** 176859 **Department :** Wet-Chemistry **Date :** 12-29-2023 10:06:46

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O6038-07	EQ-TANK	Water	BOD5	Cool 4 deg C	PSEG03	O31	12/28/2023	SM5210 B

Date/Time 12/29/23 10:10
Raw Sample Received by: JO GDC1
Raw Sample Relinquished by: RJ C EST-1246

Date/Time 12/29/23 14:00
Raw Sample Received by: RJ C EST-1246
Raw Sample Relinquished by: JO GDC1