

**BOD5 LOG**ANALYST: jigneshSUPERVISOR: IwonaQC BATCH ID: LB128491Analysis Date: 11/29/2023BOD Water: WP105489MANGANOUS SULFATE SOLUTION: W2913Starch: W2977Alkaline Iodide Azide: W2914Sulfuric acid, 1N: WP102923Sodium Thiosulfate, 0.025N: W2976POLYSEED: WP105491NaOH, 1N: WP103989GGA: WP105490IncubatorID: INCUBATOR #3Chlorine Strips: W2965GuageID: 0511064pH Strips: W3056Zero DO: WP105067

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: 9.34Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.47**After Incubation**Meter Calibration2: 9.31Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)Barometric Pressure2: 765 mmHg



QC BATCH ID: LB128491

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 10:00

TIME OUT: 11:30

DATE IN: 11/29/2023

DATE OUT: 12/04/2023

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
LB128491BL	1	No	6.70	N/A	20.50	300	9.45	9.43	0.02	0.02	0.02	
POLYSEED	1					10	9.44	6.39	3.05	0.61	0.64	
POLYSEED	2					15	9.42	4.33	5.09	0.68		
POLYSEED	3					20	9.41	3.11	6.3	0.63		
GGA	1					6	9.37	5.29	4.08	172	183.83	
GGA	2					6	9.33	5.10	4.23	179.5		
GGA	3					6	9.33	4.69	4.64	200		
O5550-01	1	No	7.50	N/A	20.60	5	9.41	6.23	3.18	152.4	66.1	
O5550-01	2					20	9.33	6.04	3.29	39.75		
O5550-01	3					50	9.26	8.33	-	0		
O5550-01	4					150	8.48	4.77	3.71	6.14		
O5550-01DUP	1	No	7.50	N/A	20.60	5	9.42	6.20	3.22	154.8	67.73	
O5550-01DUP	2					20	9.32	6.00	3.32	40.2		
O5550-01DUP	3					50	9.22	8.30	-	0		
O5550-01DUP	4					150	9.45	4.72	4.73	8.18		
O5561-01	1	No	6.91	N/A	20.00	5	9.34	8.43	-	0	17.04	
O5561-01	2					20	9.32	8.35	-	0		
O5561-01	3					50	9.20	4.16	5.04	26.4		
O5561-01	4					150	8.47	3.99	4.48	7.68		

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.

6128491

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod5-11-29

WorkList ID : 175891

Department : Wet-Chemistry

Date : 11-29-2023 08:05:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5550-01	A591	Water	BOD5	Cool 4 deg C	PSEG03	L32	11/27/2023	SM5210 B
O5561-01	A821	Water	BOD5	Cool 4 deg C	PSEG03	L32	11/28/2023	SM5210 B

Date/Time11/29/202308:15

Raw Sample Received by:RM CWC

Raw Sample Relinquished by:JDP CWC

Date/Time11/29/202309:30

Raw Sample Received by:JDP CWC

Raw Sample Relinquished by:JDP CWC