

**BOD5 LOG****ANALYST:** ketankumar**SUPERVISOR:** Iwona**Analysis Date:** 08/12/2022**QC BATCH ID:** LB121495**BOD Water:** WP98369**Starch:** W2766**Sulfuric acid, 1N:** WP94324**POLYSEED:** WP98371**GGA:** WP98370**Chlorine Strips:** W2011**pH Strips:** W2716**MANGANOUS SULFATE SOLUTION:** W2767**Alkaline Iodide Azide:** W2742**Sodium Thiosulfate, 0.025N:** W2843**NaOH, 1N:** WP97250**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero DO:** WP98094

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.9	8.9	8.95
WINKLER 2	WINKLER 2	2	300	8.9	17.9	9	8.95

Meter Calibration1: 8.89

Barometric Pressure1: 765 mmHg

Zero DO Reading1: 0.10 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 8.95

After Incubation

Meter Calibration2: 8.76

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.10 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.80



QC BATCH ID: LB121495

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 16:30

TIME OUT: 09:15

DATE IN: 08/12/2022

DATE OUT: 08/17/2022

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
LB121495BL	1	No	6.4	N/A	21.20	300	8.97	8.85	0.12	0.12	0.12	
POLYSEED	1					10	8.94	4.55	4.39	0.88	0.78	
POLYSEED	2					15	8.92	3.55	5.37	0.72		
POLYSEED	3					20	8.90	1.36	7.54	0.75		
GGA	1					6	8.86	3.49	5.37	229.5	208.83	
GGA	2					6	8.87	3.97	4.9	206		
GGA	3					6	8.85	4.25	4.6	191		
N4198-01	1	No	7.16	N/A	21.00	5	8.87	5.42	3.45	160.2	160.2	
N4198-01	2					20	8.62	0.96	-	0		
N4198-01	3					50	7.84	0.25	-	0		
N4198-01	4					150	5.06	0.24	-	0		
N4198-01DUP	1	No	7.16	N/A	21.00	5	8.90	5.45	3.45	160.2	160.2	
N4198-01DUP	2					20	8.65	0.98	-	0		
N4198-01DUP	3					50	7.85	0.27	-	0		
N4198-01DUP	4					150	5.08	0.25	-	0		
N4200-19	1	No	7.25	N/A	20.10	5	8.84	7.49	-	0	4.14	
N4200-19	2					20	8.81	7.12	-	0		
N4200-19	3					50	8.62	6.78	-	0		
N4200-19	4					150	7.61	4.76	2.85	4.14		

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

LB 121495

WorkList Name : bod81222 WorkList ID : 162254 Department : Wet-Chemistry Date : 08-12-2022 15:05:30

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/14/2022	Water	N4198-01	BOD5	Cool 4 deg C	PSEG03	K11	GFD-TOTES	08/12/2022	SM5210 B
08/14/2022	Water	N4200-19	BOD5	Cool 4 deg C	PSEG03	K11	WC-GW-1	08/12/2022	SM5210 B

Date/Time 08/12/22 15:25
 Raw Sample Received by: KS (wg) (C) /
 Raw Sample Relinquished by: KS (wg) (C) /

Date/Time 08/12/22 16:35
 Raw Sample Received by: KS (wg) /
 Raw Sample Relinquished by: KS (wg) /