

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**Analysis Date:** 12/13/2023**QC BATCH ID:** LB128720**BOD Water:** WP105691**Starch:** W2977**Sulfuric acid, 1N:** WP102923**POLYSEED:** WP105693**GGA:** WP105692**Chlorine Strips:** W2965**pH Strips:** W3056**MANGANOUS SULFATE SOLUTION:** W2913**Alkaline Iodide Azide:** W2914**Sodium Thiosulfate, 0.025N:** W2976**NaOH, 1N:** WP103989**IncubatorID:** INCUBATOR #3**GuageID:** 0511064**Zero 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	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.4	18.8	9.4	9.4

Meter Calibration1: 9.14

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

Barometric Pressure1: 776 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 8.52

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

Barometric Pressure2: 740 mmHg



QC BATCH ID: LB128720

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 15:45

TIME OUT: 16:00

DATE IN: 12/13/2023

DATE OUT: 12/18/2023

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
LB128720BL	1	No	6.70	N/A	20.40	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.40	6.57	2.83	0.57	0.57	
POLYSEED	2					15	9.39	5.02	4.37	0.58		
POLYSEED	3					20	9.37	3.92	5.45	0.55		
GGA	1					6	9.39	5.24	4.15	179	185	
GGA	2					6	9.37	5.17	4.2	181.5		
GGA	3					6	9.33	4.87	4.46	194.5		
O5791-01	1	No	6.36	6.68	20.00	5	9.44	7.57	-	0	20.32	pH Adjusted
O5791-01	2					20	9.43	6.45	2.98	36.15		
O5791-01	3					50	9.40	5.81	3.59	18.12		
O5791-01	4					150	9.22	5.30	3.92	6.7		
O5791-02	1	No	9.98	7.36	20.00	5	9.44	7.88	-	0	18.46	pH Adjusted
O5791-02	2					20	9.42	6.45	2.97	36		
O5791-02	3					50	9.35	6.29	3.06	14.94		
O5791-02	4					150	8.60	5.81	2.79	4.44		
O5791-02DUP	1	No	9.98	7.36	20.00	5	9.44	8.00	-	0	19.05	pH Adjusted
O5791-02DUP	2					20	9.43	6.37	3.06	37.35		
O5791-02DUP	3					50	9.31	6.17	3.14	15.42		
O5791-02DUP	4					150	8.54	5.78	2.76	4.38		
O5791-05	1	No	8.82	7.30	20.00	5	9.43	8.17	-	0	20.05	pH Adjusted
O5791-05	2					20	9.42	6.74	2.68	31.65		
O5791-05	3					50	9.40	5.62	3.78	19.26		
O5791-05	4					150	9.20	4.01	5.19	9.24		
O5791-06	1	No	8.55	7.36	20.00	5	9.44	8.06	-	0	21.45	pH Adjusted
O5791-06	2					20	9.43	7.43	2	21.45		
O5791-06	3					50	9.33	7.38	-	0		
O5791-06	4					150	8.98	7.22	-	0		
O5791-07	1	No	10.20	7.28	20.00	5	9.44	8.98	-	0		pH Adjusted
O5791-07	2					20	9.42	8.76	-	0		
O5791-07	3					50	9.35	8.34	-	0		
O5791-07	4					150	9.20	8.13	-	0		
O5791-10	1	No	8.98	7.40	20.00	5	9.43	8.64	-	0		pH Adjusted
O5791-10	2					20	9.35	7.85	-	0		
O5791-10	3					50	9.15	7.37	-	0		
O5791-10	4					150	8.35	7.30	-	0		
O5791-11	1	No	11.30	7.31	20.00	5	9.43	8.66	-	0		pH Adjusted
O5791-11	2					20	9.37	8.44	-	0		
O5791-11	3					50	9.34	7.54	-	0		
O5791-11	4					150	8.99	7.28	-	0		
O5812-01	1	No	8.24	7.22	20.20	5	9.34	8.01	-	0	6.62	pH Adjusted
O5812-01	2					20	9.24	7.28	-	0		

O5812-01	3					50	9.04	7.16	-	0		
O5812-01	4					150	7.91	4.03	3.88	6.62		

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)

16120720

WorkList Name : bod5-12-13 WorkList ID : 176301 Department : Wet-Chemistry Date : 12-13-2023 08:15:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5791-01 H	597-A-J	Water	BOD5	Cool 4 deg C	PSEG03	L31	12/12/2023	SM5210 B
O5791-02 L	597-K-O	Water	BOD5	Cool 4 deg C	PSEG03	L31	12/12/2023	SM5210 B
O5791-05 J	MW-1B-K-T	Water	BOD5	Cool 4 deg C	PSEG03	L31	12/12/2023	SM5210 B
O5791-06 K	MW-1B-U-DD	Water	BOD5	Cool 4 deg C	PSEG03	L31	12/12/2023	SM5210 B
O5791-07 H	MW-1B-00-XX	Water	BOD5	Cool 4 deg C	PSEG03	L31	12/12/2023	SM5210 B
O5791-10 H	MW-1B-A-J	Water	BOD5	Cool 4 deg C	PSEG03	L31	12/12/2023	SM5210 B
O5791-11 E	MW-1B-EE-NN	Water	BOD5	Cool 4 deg C	PSEG03	L31	12/12/2023	SM5210 B
O5812-01 H	RW2	Water	BOD5	Cool 4 deg C	GENV01	L11	12/12/2023	SM5210 B

Date/Time 12/13/2023 13:30
 Raw Sample Received by: RPA gwey
 Raw Sample Relinquished by: RPA GDC1

Date/Time 12/13/2023 15:30
 Raw Sample Received by: RPA GDC1
 Raw Sample Relinquished by: RPA gwey