

**BOD5 LOG****ANALYST:** Rubina**SUPERVISOR:** Iwona**QC BATCH ID:** LB128636**Analysis Date:** 12/08/2023**BOD Water:** WP105621**MANGANOUS SULFATE SOLUTION:** W2913**Starch:** W2977**Alkaline Iodide Azide:** W2914**Sulfuric acid, 1N:** WP102923**Sodium Thiosulfate, 0.025N:** W2976**POLYSEED:** WP105623**NaOH, 1N:** WP103989**GGA:** WP105622**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2965**GuageID:** 0511064**pH Strips:** W3056**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: 8.99

Zero DO Reading1: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.47

After Incubation

Meter Calibration2: 9.14

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB128636

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 15:50

TIME OUT: 16:30

DATE IN: 12/08/2023

DATE OUT: 12/13/2023

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
LB128636BL	1	No	6.70	N/A	20.50	300	9.46	9.45	0.01	0.01	0.01	
POLYSEED	1					10	9.45	6.47	2.98	0.6	0.58	
POLYSEED	2					15	9.42	4.90	4.52	0.6		
POLYSEED	3					20	9.40	4.02	5.38	0.54		
GGA	1					6	9.44	5.43	4.01	171.5	183	
GGA	2					6	9.42	5.11	4.31	186.5		
GGA	3					6	9.39	4.99	4.4	191		
O5697-02	1	No	7.43	N/A	20.10	0.5	9.40	7.14	2.26	1008	663	
O5697-02	2					1	9.39	6.68	2.71	639		
O5697-02	3					2	9.27	4.83	4.44	579		
O5697-02	4					3	9.25	4.41	4.84	426		
O5697-02DUP	1	No	7.43	N/A	20.10	0.5	9.40	7.28	2.12	924	642.25	
O5697-02DUP	2					1	9.37	6.59	2.78	660		
O5697-02DUP	3					2	9.30	4.98	4.32	561		
O5697-02DUP	4					3	9.22	4.40	4.82	424		
O5707-04	1	No	8.73	7.34	20.10	5	9.45	8.36	-	0	13.14	pH Adjusted
O5707-04	2					20	9.44	8.20	-	0		
O5707-04	3					50	9.43	6.66	2.77	13.14		
O5707-04	4					150	9.30	0.33	-	0		
O5734-01	1	No	7.43	N/A	20.00	0.5	9.42	8.66	-	0	99	
O5734-01	2					1	9.39	8.17	-	0		
O5734-01	3					2	9.32	7.65	-	0		
O5734-01	4					5	9.01	6.21	2.8	133.2		
O5734-01	5					10	8.36	5.62	2.74	64.8		
O5734-05	1	No	7.15	N/A	20.00	0.01	9.45	8.36	-	0	1848	
O5734-05	2					0.05	9.42	8.30	-	0		
O5734-05	3					0.1	9.40	8.01	-	0		
O5734-05	4					0.5	8.98	5.32	3.66	1848		
O5734-05	5					1	8.21	0.31	-	0		

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)

6128636

WorkList Name : bod512-08 WorkList ID : 176141 Department : Wet-Chemistry Date : 12-08-2023 08:19:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5697-02	EFF-WW	Water	BOD5	Cool 4 deg C	ARDM01	L11	12/07/2023	SM5210 B
O5707-04	WATER-TREATMENT-DISCHAI	Water	BOD5	Cool 4 deg C	VERI01	L11	12/07/2023	SM5210 B
O5734-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	L11	12/08/2023	SM5210 B
O5734-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	L11	12/08/2023	SM5210 B

Date/Time 12/08/2023 14:00
 Raw Sample Received by: RA CWC
 Raw Sample Relinquished by: RA CWC

Date/Time 12/08/2023 16:00
 Raw Sample Received by: RA CWC
 Raw Sample Relinquished by: RA CWC