

**BOD5 LOG****ANALYST:** Alexander**SUPERVISOR:** apatel**Analysis Date:** 05/14/2021**QC BATCH ID:** LB114465**BOD Water:** WP99127**MANGANOUS SULFATE SOLUTION:** W2767**Starch:** W2703**Alkaline Iodide Azide:** W2742**Sulfuric acid, 1N:** WP88863**Sodium Thiosulfate, 0.025N:** WP90938**POLYSEED:** WP91128**NaOH, 1N:** WP89699**GGA:** WP91128**IncubatorID:** INCUBATOR #3**Chlorine Strips:** W2543**GuageID:** 0511064**pH Strips:** W2716**Zero DO:** WP91130

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	8.5	8.5	8.4
WINKLER 2	WINKLER 2	2	300	8.5	16.8	8.3	8.4

Meter Calibration1: 8.44Zero DO Reading1: 0.04 mg/L (<=0.2 Criteria)Barometric Pressure1: 765 mmHgWinkler titrated BOD fluid DO reading1: 8.30**After Incubation**Meter Calibration2: 8.41Zero DO Reading2: 0.03 mg/L (<=0.2 Criteria)Barometric Pressure2: 760 mmHgWinkler titrated BOD fluid DO reading2: 8.29

QC BATCH ID: LB114465

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 13:00

TIME OUT: 11:30

DATE IN: 05/14/2021

DATE OUT: 05/19/2021

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
LB114465BL	1	No	6.0	N/A	20.50	300	8.30	8.29	0.01	0.01	0.01	
POLYSEED	1					10	8.15	4.31	3.84	0.77	0.67	
POLYSEED	2					15	8.12	3.72	4.4	0.59		
POLYSEED	3					20	8.10	1.70	6.4	0.64		
GGA	1					6	8.02	3.96	4.06	169.5	192.83	
GGA	2					6	8.01	3.23	4.78	205.5		
GGA	3					6	8.02	3.28	4.74	203.5		
M2414-01	1	No	7.44	N/A	20.20	0.2	7.94	5.96	-	0	910	
M2414-01	2					0.5	7.91	5.16	2.75	1248		
M2414-01	3					1	7.88	4.60	3.28	783		
M2414-01	4					2	7.85	2.52	5.33	699		
M2414-01	5					5	7.80	0.44	-	0		
M2414-01DUP	1	No	7.44	N/A	20.30	0.2	7.96	5.99	-	0	906	
M2414-01DUP	2					0.5	7.93	5.20	2.73	1236		
M2414-01DUP	3					1	7.90	4.62	3.28	783		
M2414-01DUP	4					2	7.87	2.54	5.33	699		
M2414-01DUP	5					5	7.82	0.46	-	0		
M2414-05	1	No	4.59	7.2	20.30	0.05	7.87	5.04	2.83	12960	11685	pH Adjusted
M2414-05	2					0.1	7.86	2.91	4.95	12840		
M2414-05	3					0.2	7.85	1.01	6.84	9255		
M2414-05	4					0.5	7.83	0.28	-	0		
M2414-05	5					1	7.82	0.20	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB 114465

WorkList Name : BOD M2414 WorkList ID : 148930 Department : Wet-Chemistry Date : 05-14-2021 11:47:48

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/15/2021	Water	M2414-01	BOD5	Cool 4 deg C	HOLL01	P33	EFFLUENT	05/13/2021	SM5210 B
05/15/2021	Water	M2414-05	BOD5	Cool 4 deg C	HOLL01	P33	INFLUENT	05/13/2021	SM5210 B

Date/Time 05-14-21 12:00
 Raw Sample Received by: JP (not in person)
 Raw Sample Relinquished by: CL SM

Date/Time 05-14-21 13:15
 Raw Sample Received by: CL SM
 Raw Sample Relinquished by: JP (not in person)