



BOD5 LOG

ANALYST: Alexander

SUPERVISOR: apatel

Analysis Date: 05/13/2021

QC BATCH ID: LB114433

BOD Water: WP90129

Starch: W2703

Sulfuric acid, 1N: WP88863

POLYSEED: WP90131

GGA: WP90130

Chlorine Strips: W2543

pH Strips: W2716

MANGANOUS SULFATE SOLUTION: W2767

Alkaline Iodide Azide: W2742

Sodium Thiosulfate, 0.025N: WP90938

NaOH, 1N: WP89699

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP90568, 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	9.1	9.1	9.15
WINKLER 2	WINKLER 2	2	300	9.1	18.3	9.2	9.15

Meter Calibration1: 8.94

Barometric Pressure1: 760 mmHg

Zero DO Reading1: 0.07 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading1: 9.04

After Incubation

Meter Calibration2: 8.82

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 9.01



QC BATCH ID: LB114433

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 12:10

TIME OUT: 11:20

DATE IN: 05/13/2021

DATE OUT: 05/18/2021

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
LB114433BL	1	No	6.0	N/A	20.30	300	9.05	8.96	0.09	0.09	0.09	
POLYSEED	1					10	8.96	4.81	4.15	0.83	0.82	
POLYSEED	2					15	8.94	2.60	6.34	0.85		
POLYSEED	3					20	8.94	1.13	7.81	0.78		
GGA	1					6	8.85	3.92	4.93	205.5	194.33	
GGA	2					6	8.83	4.13	4.7	194		
GGA	3					6	8.81	4.32	4.49	183.5		
M2367-09	1	No	6.0	N/A	20.20	5	8.79	8.70	-	0		
M2367-09	2					20	8.74	8.56	-	0		
M2367-09	3					50	8.68	8.23	-	0		
M2367-09	4					150	8.35	8.00	-	0		
M2374-02	1	No	6.8	N/A	20.40	0.5	8.67	7.66	-	0	315.5	
M2374-02	2					1	8.66	7.17	-	0		
M2374-02	3					2	8.65	5.85	2.8	297		
M2374-02	4					3	8.64	4.48	4.16	334		
M2374-02DUP	1	No	6.8	N/A	20.40	0.5	8.69	7.80	-	0	322.75	
M2374-02DUP	2					1	8.67	7.12	-	0		
M2374-02DUP	3					2	8.67	5.90	2.77	292.5		
M2374-02DUP	4					3	8.66	4.31	4.35	353		
M2382-01	1	No	6.8	N/A	20.30	0.05	8.60	7.50	-	0	3027	
M2382-01	2					0.1	8.58	6.43	2.15	3990		
M2382-01	3					0.5	8.54	4.28	4.26	2064		
M2382-01	4					2	8.49	0.49	-	0		
M2382-01	5					10	8.37	0.32	-	0		

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod m2367 WorkList ID : 148881 Department : Wet-Chemistry Date : 05-13-2021 10:07:31

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/14/2021	Water	M2367-09	BOD5	Cool 4 deg C	PSEG03	E21	PV-WATER	05/12/2021	SM5210 B
05/14/2021	Water	M2374-02	BOD5	Cool 4 deg C	ARAM01	P31	COMP	05/12/2021	SM5210 B
05/14/2021	Water	M2382-01	BOD5	Cool 4 deg C	MAJO01	D31	DRAIN-WATER-TANK-1	05/12/2021	SM5210 B

Date/Time 05-13-21 10:10
 Raw Sample Received by: JO Gertman
 Raw Sample Relinquished by: KS (Welch)

Date/Time 05-13-21 12:35
 Raw Sample Received by: KS (Welch)
 Raw Sample Relinquished by: JO Gertman