

BOD5 LOG

ANALYST: ketankumar

SUPERVISOR: Iwona

Analysis Date: 08/10/2022

QC BATCH ID: LB121445

BOD Water: WP98271

Starch: W2766

Sulfuric acid, 1N: WP94324

POLYSEED: WP98273

GGA: WP98272

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	8.8	8.8	8.85
WINKLER 2	WINKLER 2	2	300	8.8	17.7	8.9	8.85

Meter Calibration1: 8.63

Barometric Pressure1: 765 mmHg

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

Winkler titrated BOD fluid DO reading1: 8.89

After Incubation

Meter Calibration2: 8.77

Barometric Pressure2: 765 mmHg

Zero DO Reading2: 0.09 mg/L (≤ 0.2 Criteria)

Winkler titrated BOD fluid DO reading2: 8.70



QC BATCH ID: LB121445

INCUBATOR TEMP IN(C): 20.5

INCUBATOR TEMP OUT(C): 20.5

TIME IN: 17:20

TIME OUT: 14:00

DATE IN: 08/10/2022

DATE OUT: 08/15/2022

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
LB121445BL	1	No	6.0	N/A	21.20	300	8.88	8.75	0.13	0.13	0.13	
POLYSEED	1					10	8.83	4.25	4.58	0.92	0.79	
POLYSEED	2					15	8.82	3.33	5.49	0.73		
POLYSEED	3					20	8.80	1.65	7.15	0.72		
GGA	1					6	8.70	4.35	4.35	178	197.5	
GGA	2					6	8.71	3.65	5.06	213.5		
GGA	3					6	8.72	3.91	4.81	201		
N4132-02	1	No	7.28	N/A	21.40	0.5	8.86	5.06	3.8	1806	1716	
N4132-02	2					1	8.85	2.64	6.21	1626		
N4132-02	3					2	8.84	0.14	-	0		
N4132-02	4					3	8.81	0.12	-	0		
N4147-01	1	No	7.65	N/A	20.30	5	8.86	7.45	-	0	2.72	
N4147-01	2					20	8.85	7.38	-	0		
N4147-01	3					50	8.83	7.36	-	0		
N4147-01	4					150	8.81	6.66	2.15	2.72		
N4154-01	1	No	7.90	N/A	21.30	5	8.78	8.13	-	0		
N4154-01	2					20	8.73	7.19	-	0		
N4154-01	3					50	8.40	6.92	-	0		
N4154-01	4					150	7.37	5.77	-	0		
N4154-01DUP	1	No	7.90	N/A	21.30	5	8.80	8.15	-	0		
N4154-01DUP	2					20	8.75	7.20	-	0		
N4154-01DUP	3					50	8.42	6.95	-	0		
N4154-01DUP	4					150	7.40	5.78	-	0		
N4154-03	1	No	6.80	N/A	20.40	5	8.76	7.55	-	0		
N4154-03	2					20	8.75	7.50	-	0		
N4154-03	3					50	8.62	7.12	-	0		
N4154-03	4					150	8.13	7.02	-	0		

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

WORKLIST(Hardcopy Internal Chain)

LB121445

WorkList Name : BOD81022-1

WorkList ID : 162174

Department : Wet-Chemistry

Date : 08-10-2022 15:59:08

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/12/2022	Water	N4132-02	BOD5	Cool 4 deg C	ARAM01	N11	COMP	08/10/2022	SM5210 B
08/12/2022	Water	N4147-01	BOD5	Cool 4 deg C	INFR01	N11	WEEKLY-OUTFALL-002	08/10/2022	SM5210 B
08/12/2022	Water	N4154-01	BOD5	Cool 4 deg C	PSEG03	J11	WV-TOTECOMP-1	08/10/2022	SM5210 B
08/12/2022	Water	N4154-03	BOD5	Cool 4 deg C	PSEG03	J11	WV-TOTECOMP-2	08/10/2022	SM5210 B

Date/Time 08.10.22 16:55
 Raw Sample Received by: KS(WC)
 Raw Sample Relinquished by: JTC(m)

Date/Time 08.10.22 17:25
 Raw Sample Received by: JTC(m)
 Raw Sample Relinquished by: KS(WC)