



CBOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

QC BATCH ID: LB128225

Analysis Date: 11/08/2023

BOD Water: WP105203

MANGANOUS SULFATE SOLUTION: W2913

Starch: W2977

Alkaline Iodide Azide: W2914

Sulfuric acid, 1N: WP102923

Sodium Thiosulfate, 0.025N: W2976

POLYSEED: WP105205

NaOH, 1N: WP103989

GGA: WP105204

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3056

Zero DO: WP105067

Nitrification Inhibitor: W2792

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: 8.66

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.20

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

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB128225

INCUBATOR TEMP IN(C): 20.2

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 09:00

TIME OUT: 11:00

DATE IN: 11/08/2023

DATE OUT: 11/13/2023

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
LB128225BL	1	No	6.84	N/A	20.50	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.42	6.28	3.14	0.63	0.6	
POLYSEED	2					15	9.40	4.78	4.62	0.62		
POLYSEED	3					20	9.39	3.92	5.47	0.55		
GGA	1					6	9.42	5.17	4.25	182.5	191.83	
GGA	2					6	9.41	5.00	4.41	190.5		
GGA	3					6	9.39	4.74	4.65	202.5		
O5282-01	1	No	6.39	6.65	20.00	5	9.41	8.89	-	0		pH Adjusted
O5282-01	2					20	9.40	8.71	-	0		
O5282-01	3					50	9.38	8.59	-	0		
O5282-01	4					150	9.36	8.31	-	0		
O5282-01DUP	1	No	6.39	6.65	20.00	5	9.42	9.00	-	0		pH Adjusted
O5282-01DUP	2					20	9.40	8.75	-	0		
O5282-01DUP	3					50	9.39	8.51	-	0		
O5282-01DUP	4					150	9.36	8.27	-	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)

6128225

WorkList Name : cbod-11-07

WorkList ID : 175359

Department : Wet-Chemistry

Date : 11-07-2023 15:45:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O5282-01 J	YORK-20231106	Water	CBOD5	Cool 4 deg C	AECO05	L31	11/08/2023	SM5210 B

Date/Time 11/08/2023 07:30
 Raw Sample Received by: PM CWS
 Raw Sample Relinquished by: PM CWS

Date/Time 11/08/2023 08:30
 Raw Sample Received by: PM CWS
 Raw Sample Relinquished by: PM CWS