

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/08/2024

QC BATCH ID: LB133367

BOD Water: WP110621

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110623

NaOH, 1N: WP108662

GGA: WP110622

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3104

Zero DO: WP110595

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	9.2	18.6	9.4	9.4

Meter Calibration1: 8.64

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

Barometric Pressure1: 765 mmHg DO Meter BOD fluid reading for winkler comparison: 9.43

After Incubation

Meter Calibration2: 9.43

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 781 mmHg

QC BATCH ID: LB133367

INCUBATOR TEMP IN(C): 20.4

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 16:45

TIME OUT: 12:00

DATE IN: 11/08/2024

DATE OUT: 11/13/2024

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
LB133367BL	1	No	6.74	N/A	20.40	300	9.42	9.41	0.01	0.01	0.01	
POLYSEED	1					10	9.41	6.90	2.51	0.5	0.54	
POLYSEED	2					15	9.39	5.53	3.86	0.51		
POLYSEED	3					20	9.36	3.22	6.14	0.61		
GGA	1					6	9.40	5.19	4.21	183.5	186	
GGA	2					6	9.40	5.14	4.26	186		
GGA	3					6	9.34	5.03	4.31	188.5		
P4790-01	1	No	6.58	N/A	20.00	0.05	9.36	8.38	-	0	2901	
P4790-01	2					0.1	9.31	7.83	-	0		
P4790-01	3					0.2	9.29	6.83	2.46	2880		
P4790-01	4					0.5	9.23	2.52	6.71	3702		
P4790-01	5					1	8.86	1.25	7.61	2121		
P4790-01DUP	1	No	6.58	N/A	20.00	0.05	9.35	8.49	-	0	2857	
P4790-01DUP	2					0.1	9.31	7.87	-	0		
P4790-01DUP	3					0.2	9.27	6.99	2.28	2610		
P4790-01DUP	4					0.5	9.21	2.28	6.93	3834		
P4790-01DUP	5					1	8.85	1.22	7.63	2127		
P4791-02	1	No	6.81	N/A	20.00	5	9.36	7.78	-	0	23.32	
P4791-02	2					20	9.32	5.92	3.4	42.9		
P4791-02	3					50	8.95	5.80	3.15	15.66		
P4791-02	4					150	7.33	1.09	6.24	11.4		
P4792-04	1	No	6.86	N/A	20.00	5	9.37	1.02	8.35	468.6	468.6	
P4792-04	2					20	9.24	0.51	-	0		
P4792-04	3					50	8.62	0.44	-	0		
P4792-04	4					150	5.94	0.39	-	0		

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

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

WORKLIST(Hardcopy Internal Chain)

Lb 133367

WorkList Name : bod5-11-08.

WorkList ID : 185266

Department : Wet-Chemistry

Date : 11-08-2024 12:25:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4790-01	DRAIN WATER TANK-1	Water	BOD5	Cool 4 deg C	MAJO01	L11	11/08/2024	SM5210 B
P4791-02 H	HINCHMAN-OILY-WATER	Water	BOD5	Cool 4 deg C	PSEG03	L23	11/08/2024	SM5210 B
P4792-04 G	MANHOLE-WASTE-DRUMS	Water	BOD5	Cool 4 deg C	PSEG03	L21	11/08/2024	SM5210 B

Date/Time 11/08/2024 14:50
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: MGC

Date/Time 11/08/2024 16:30
Raw Sample Received by: MGC
Raw Sample Relinquished by: RYCWJ