

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 11/07/2024

QC BATCH ID: LB133342

BOD Water: WP110592

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP110594

NaOH, 1N: WP108662

GGA: WP110593

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	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.2	18.4	9.2	9.2

Meter Calibration1: 9.00 Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.25

After Incubation

Meter Calibration2: 9.48 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB133342

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.4

TIME IN: 17:00

TIME OUT: 12:00

DATE IN: 11/07/2024

DATE OUT: 11/12/2024

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
LB133342BL	1	No	6.79	N/A	20.40	300	9.24	9.23	0.01	0.01	0.01	
POLYSEED	1					10	9.16	6.97	2.19	0.44	0.57	
POLYSEED	2					15	9.14	4.20	4.94	0.66		
POLYSEED	3					20	9.06	2.93	6.13	0.61		
GGA	1					6	9.14	5.23	3.91	167	171.17	
GGA	2					6	9.14	5.16	3.98	170.5		
GGA	3					6	9.11	5.02	4.09	176		
P4735-01	1	No	8.44	7.22	20.30	0.5	9.19	1.02	8.17	4560	4560	pH Adjusted
P4735-01	2					1	9.18	0.36	-	0		
P4735-01	3					2	9.14	0.32	-	0		
P4735-01	4					5	8.99	0.31	-	0		
P4735-01	5					10	8.66	0.29	-	0		
P4735-01DUP	1	No	8.44	7.22	20.30	0.5	9.19	1.03	8.16	4554	4554	pH Adjusted
P4735-01DUP	2					1	9.18	0.38	-	0		
P4735-01DUP	3					2	9.12	0.32	-	0		
P4735-01DUP	4					5	9.00	0.30	-	0		
P4735-01DUP	5					10	8.64	0.29	-	0		
P4735-05	1	No	4.67	6.80	20.40	0.01	9.22	7.53	-	0	13620	pH Adjusted
P4735-05	2					0.05	9.21	6.55	2.66	12540		
P4735-05	3					0.1	9.18	3.71	5.47	14700		
P4735-05	4					0.5	9.14	0.31	-	0		
P4735-05	5					1	8.80	0.27	-	0		
P4736-02	1	No	6.22	6.90	20.40	0.5	9.22	6.61	2.61	1224	976	pH Adjusted
P4736-02	2					1	9.21	5.80	3.41	852		
P4736-02	3					2	9.16	2.91	6.25	852		
P4736-02	4					3	9.07	0.34	-	0		
P4762-02	1	No	7.39	N/A	20.20	0.5	9.23	8.78	-	0	420	
P4762-02	2					1	9.20	7.02	2.18	483		
P4762-02	3					2	9.11	7.28	-	0		
P4762-02	4					3	8.94	4.80	4.14	357		
P4765-01	1	No	7.09	N/A	20.00	5	9.22	8.68	-	0		
P4765-01	2					20	9.20	8.57	-	0		
P4765-01	3					50	9.19	8.30	-	0		
P4765-01	4					150	9.12	8.11	-	0		
P4765-03	1	No	7.24	N/A	20.00	5	9.20	8.81	-	0		
P4765-03	2					20	9.19	8.50	-	0		
P4765-03	3					50	9.18	8.22	-	0		
P4765-03	4					150	9.15	8.13	-	0		
P4765-05	1	No	6.94	N/A	20.00	5	9.19	8.91	-	0		
P4765-05	2					20	9.17	8.67	-	0		
P4765-05	3					50	9.12	8.38	-	0		

P4765-05	4					150	9.10	7.99	-	0			
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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)

6133342

WorkList Name : bod5-1107 WorkList ID : 185194 Department : Wet-Chemistry Date : 11-07-2024 08:28:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4735-01 D	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	L11	11/06/2024	SM5210 B
P4735-05 B	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	L11	11/06/2024	SM5210 B
P4736-02 C	COMP	Water	BOD5	Cool 4 deg C	ARAM01	L11	11/06/2024	SM5210 B
P4762-02 A	EFF-WWW	Water	BOD5	Cool 4 deg C	ARDM01	L11	11/07/2024	SM5210 B
P4765-01 F	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	L23	11/07/2024	SM5210 B
P4765-03 F	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	L23	11/07/2024	SM5210 B
P4765-05 F	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	L23	11/07/2024	SM5210 B

Date/Time 11/07/2024 14:00
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: RM CWC

Date/Time 11/07/2024 16:00
 Raw Sample Received by: RM CWC
 Raw Sample Relinquished by: RM CWC