

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/14/2024

QC BATCH ID: LB131997

BOD Water: WP109209

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109211

NaOH, 1N: WP108662

GGA: WP109210

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511064

pH Strips: W3121

Zero DO: WP108811

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	9.5	18.9	9.4	9.4

Meter Calibration1: 9.49

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

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 9.48

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB131997

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:20

TIME OUT: 11:45

DATE IN: 08/14/2024

DATE OUT: 08/19/2024

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
LB131997BL	1	No	6.70	N/A	20.50	300	9.44	9.43	0.01	0.01	0.01	
POLYSEED	1					10	9.40	6.41	2.99	0.6	0.53	
POLYSEED	2					15	9.38	5.69	3.69	0.49		
POLYSEED	3					20	9.35	4.42	4.93	0.49		
GGA	1					6	9.41	5.21	4.2	183.5	189.83	
GGA	2					6	9.41	5.16	4.25	186		
GGA	3					6	9.35	4.82	4.53	200		
P3578-01	1	No	7.45	N/A	20.30	0.5	9.39	3.59	5.8	3162	2200.5	
P3578-01	2					1	9.34	1.20	8.14	2283		
P3578-01	3					2	9.30	1.06	8.24	1156.5		
P3578-01	4					5	9.02	0.43	-	0		
P3578-01	5					10	8.51	0.20	-	0		
P3578-05	1	No	4.53	6.89	20.00	0.01	9.24	8.82	-	0	7620	pH Adjusted
P3578-05	2					0.05	9.22	8.12	-	0		
P3578-05	3					0.1	9.20	6.13	3.07	7620		
P3578-05	4					0.5	9.07	0.79	-	0		
P3578-05	5					1	8.92	0.35	-	0		
P3591-01	1	No	8.10	7.24	20.40	5	9.03	8.92	-	0		pH Adjusted
P3591-01	2					20	9.01	8.82	-	0		
P3591-01	3					50	8.98	8.15	-	0		
P3591-01	4					150	8.79	8.02	-	0		
P3591-02	1	No	6.96	N/A	20.30	5	8.82	6.98	-	0	15.69	
P3591-02	2					20	8.80	6.58	2.22	25.35		
P3591-02	3					50	8.78	5.95	2.83	13.8		
P3591-02	4					150	8.76	4.27	4.49	7.92		
P3591-02DUP	1	No	6.96	N/A	20.30	5	8.83	6.88	-	0	15.84	
P3591-02DUP	2					20	8.81	6.62	2.19	24.9		
P3591-02DUP	3					50	8.78	5.80	2.98	14.7		
P3591-02DUP	4					150	8.76	4.27	4.49	7.92		

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)

66131997

WorkList Name : bod5-8-14

WorkList ID : 182632

Department : Wet-Chemistry

Date : 08-14-2024 07:50:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3578-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K11	08/12/2024	SM5210 B
P3578-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	K11	08/12/2024	SM5210 B
P3591-01	PRODUCTION	Water	BOD5	Cool 4 deg C	SCIE01	D21	08/13/2024	SM5210 B
P3591-02	PILOT-PLANT	Water	BOD5	Cool 4 deg C	SCIE01	D21	08/13/2024	SM5210 B

Date/Time 08/14/2024 08:00
 Raw Sample Received by: RM
 Raw Sample Relinquished by: RM

Date/Time 08/14/2024 10:30
 Raw Sample Received by: RM
 Raw Sample Relinquished by: RM