

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 08/30/2024

QC BATCH ID: LB132226

BOD Water: WP109456

Starch: W2977

Sulfuric acid, 1N: WP108475

POLYSEED: WP109458

GGA: WP109457

Chlorine Strips: W2965

pH Strips: W3121

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP109433

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.1	9.1	9.1
WINKLER 2	WINKLER 2	2	300	9.3	18.4	9.1	9.1

Meter Calibration1: 9.48

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.14

After Incubation

Meter Calibration2: 9.20

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 776 mmHg



QC BATCH ID: LB132226

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 20.2

TIME IN: 10:30

TIME OUT: 13:10

DATE IN: 08/30/2024

DATE OUT: 09/04/2024

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
LB132226BL	1	No	6.79	N/A	20.60	300	9.13	9.11	0.02	0.02	0.02	
POLYSEED	1					10	9.05	6.32	2.73	0.55	0.61	
POLYSEED	2					15	9.04	4.23	4.81	0.64		
POLYSEED	3					20	9.01	2.64	6.37	0.64		
GGA	1					6	9.08	4.90	4.18	178.5	177.17	
GGA	2					6	9.05	4.73	4.32	185.5		
GGA	3					6	9.02	5.06	3.96	167.5		
P3790-01	1	No	6.36	6.81	20.40	1	9.04	6.91	2.13	456	594	pH Adjusted
P3790-01	2					2	9.03	3.54	5.49	732		
P3790-01	3					5	9.01	0.51	-	0		
P3790-01	4					10	8.96	0.45	-	0		
P3790-01DUP	1	No	6.36	6.81	20.40	1	9.05	7.03	2.02	423	565.5	pH Adjusted
P3790-01DUP	2					2	9.03	3.70	5.33	708		
P3790-01DUP	3					5	9.02	0.56	-	0		
P3790-01DUP	4					10	8.98	0.40	-	0		
P3790-02	1	No	6.74	N/A	20.80	1	9.00	6.89	2.11	450	464.25	
P3790-02	2					2	8.97	5.17	3.8	478.5		
P3790-02	3					5	8.93	0.40	-	0		
P3790-02	4					10	8.88	0.33	-	0		
P3799-07	1	No	6.78	N/A	20.70	5	9.00	8.22	-	0		
P3799-07	2					20	8.91	7.87	-	0		
P3799-07	3					50	8.82	7.67	-	0		
P3799-07	4					150	8.38	7.43	-	0		
P3799-08	1	No	5.38	6.92	20.70	5	9.00	8.02	-	0		pH Adjusted
P3799-08	2					20	8.92	7.54	-	0		
P3799-08	3					50	8.72	7.45	-	0		
P3799-08	4					150	8.38	7.03	-	0		
P3799-09	1	No	6.70	N/A	20.20	5	8.99	8.64	-	0		
P3799-09	2					20	8.97	8.42	-	0		
P3799-09	3					50	8.96	8.24	-	0		
P3799-09	4					150	8.95	7.79	-	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)

6132226

WorkList Name : bod5-8-30 WorkList ID : 183075 Department : Wet-Chemistry Date : 08-30-2024 08:26:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3790-01	OUTFALL-DSN-001	Water	BOD5	Cool 4 deg C	TRIS02	H53	08/29/2024	SM5210 B
P3790-02	OUTFALL-DSN-002	Water	BOD5	Cool 4 deg C	TRIS02	H53	08/29/2024	SM5210 B
P3799-07	WELL-1	Water	BOD5	Cool 4 deg C	PSEG03	H53	08/29/2024	SM5210 B
P3799-08	WELL-2	Water	BOD5	Cool 4 deg C	PSEG03	H53	08/29/2024	SM5210 B
P3799-09	WELL-4	Water	BOD5	Cool 4 deg C	PSEG03	H53	08/29/2024	SM5210 B

Date/Time 08/30/2024 08:30
 Raw Sample Received by: RTH cwc
 Raw Sample Relinquished by: RTH cwc

Date/Time 08/30/2024 10:00
 Raw Sample Received by: RTH cwc
 Raw Sample Relinquished by: RTH cwc