

BOD5 LOG

ANALYST: Rubina

SUPERVISOR: Iwona

Analysis Date: 05/22/2024

QC BATCH ID: LB130910

BOD Water: WP108116

Starch: W2977

Sulfuric acid, 1N: WP105744

POLYSEED: WP108118

GGA: WP108117

Chlorine Strips: W2965

pH Strips: W3056

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W2914

Sodium Thiosulfate, 0.025N: W2976

NaOH, 1N: WP106529

IncubatorID: INCUBATOR#3

GuageID: 0511064

Zero DO: WP107608

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.00	12.11	12.11	12.12
WINKLER 2	WINKLER 2	2	300	12.11	24.24	12.13	12.12

Meter Calibration1: 11.75

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

Barometric Pressure1: 765 mmHg

DO Meter BOD fluid reading for winkler comparison: 12.12

After Incubation

Meter Calibration2: 9.46

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

Barometric Pressure2: 760 mmHg



QC BATCH ID: LB130910

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 20.0

TIME IN: 10:10

TIME OUT: 13:00

DATE IN: 05/22/2024

DATE OUT: 05/27/2024

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
LB130910BL	1	No	6.7	N/A	20.10	300	12.11	12.09	0.02	0.02	0.02	
POLYSEED	1					10	12.07	4.96	7.11	1.42	1.16	
POLYSEED	2					15	12.04	4.23	7.81	1.04		
POLYSEED	3					20	11.85	1.58	10.27	1.03		
GGA	1					6	12.01	8.92	3.09	96.5	210.17	
GGA	2					6	12.02	4.56	7.46	315		
GGA	3					6	12.02	6.48	5.54	219		
P2538-04	1	No	7.98	7.42	20.00	5	12.06	9.93	2.13	58.2	27	pH Adjuste
P2538-04	2					20	12.03	8.97	3.06	28.5		
P2538-04	3					50	11.97	8.30	3.67	15.06		
P2538-04	4					150	11.85	7.58	4.27	6.22		
P2561-01	1	No	5.35	6.81	20.10	5	12.11	10.26	-	0	16.26	pH Adjuste
P2561-01	2					20	12.08	9.30	2.78	24.3		
P2561-01	3					50	12.06	8.20	3.86	16.2		
P2561-01	4					150	12.05	6.75	5.3	8.28		
P2561-03	1	No	5.95	6.84	20.00	5	12.08	10.59	-	0		pH Adjuste
P2561-03	2					20	11.95	10.28	-	0		
P2561-03	3					50	11.83	9.98	-	0		
P2561-03	4					150	11.58	9.87	-	0		
P2561-05	1	No	5.89	6.71	20.10	5	12.08	10.16	-	0	16.19	pH Adjuste
P2561-05	2					20	11.94	8.75	3.19	30.45		
P2561-05	3					50	11.90	8.50	3.4	13.44		
P2561-05	4					150	11.89	8.39	3.5	4.68		
P2562-01	1	No	4.57	6.52	20.10	5	12.09	10.89	-	0		pH Adjuste
P2562-01	2					20	12.08	10.50	-	0		
P2562-01	3					50	12.07	10.29	-	0		
P2562-01	4					150	12.05	10.20	-	0		
P2562-03	1	No	6.23	6.58	20.00	5	12.09	10.00	2.09	55.8	25.99	pH Adjuste
P2562-03	2					20	12.06	9.20	2.86	25.5		
P2562-03	3					50	12.05	8.10	3.95	16.74		
P2562-03	4					150	12.02	7.89	4.13	5.94		
P2562-05	1	No	5.92	6.86	20.10	5	12.00	10.66	-	0	10.91	pH Adjuste
P2562-05	2					20	11.99	9.51	2.48	19.8		
P2562-05	3					50	11.74	9.21	2.53	8.22		
P2562-05	4					150	11.24	7.73	3.51	4.7		
P2562-05DUP	1	No	5.92	6.86	20.10	5	11.94	10.60	-	0	11.15	pH Adjuste
P2562-05DUP	2					20	11.93	9.44	2.49	19.95		
P2562-05DUP	3					50	11.78	9.17	2.61	8.7		
P2562-05DUP	4					150	11.26	7.70	3.56	4.8		
P2562-11	1	No	6.52	N/A	20.10	5	11.96	10.82	-	0	5.2	
P2562-11	2					20	11.92	10.11	-	0		

P2562-11	3					50	11.74	9.40	2.34	7.08		
P2562-11	4					150	11.24	8.42	2.82	3.32		
P2563-03	1	No	6.82	N/A	20.20	5	11.95	9.40	2.55	83.4	33.68	
P2563-03	2					20	11.85	8.50	3.35	32.85		
P2563-03	3					50	11.75	8.19	3.56	14.4		
P2563-03	4					150	10.95	7.75	3.2	4.08		

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.

LBI 30910

WORKLIST(Hardcopy Internal Chain)

WorkList Name : BOD5-05222024

WorkList ID : 180436

Department : Wet-Chemistry

Date : 05-22-2024 08:10:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P2561-01	SY-2R	Water	BOD5	Cool 4 deg C	LOCK01	K31	05/21/2024	SM5210 B
P2561-03	SY-2D	Water	BOD5	Cool 4 deg C	LOCK01	K31	05/21/2024	SM5210 B
P2561-05	SY-7	Water	BOD5	Cool 4 deg C	LOCK01	K31	05/21/2024	SM5210 B
P2562-01	FIELD-BLANK	Water	BOD5	Cool 4 deg C	LOCK01	K21	05/20/2024	SM5210 B
P2562-03	SY-6	Water	BOD5	Cool 4 deg C	LOCK01	K21	05/20/2024	SM5210 B
P2562-05	SY-3DD	Water	BOD5	Cool 4 deg C	LOCK01	K21	05/20/2024	SM5210 B
P2562-11	SY-3D	Water	BOD5	Cool 4 deg C	LOCK01	K21	05/20/2024	SM5210 B
P2538-04	A852	Water	BOD5	Cool 4 deg C	PSEG03	K31	05/20/2024	SM5210 B
P2563-03	OILY-WATER	Water	BOD5	Cool 4 deg C	PSEG03	K21	05/21/2024	SM5210 B

Date/Time 05.22.2024, 8:20
 Raw Sample Received by: NE(wc)
 Raw Sample Relinquished by: [Signature]

Date/Time 05.22.2024, 10:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: NE(wc)