

BOD5 LOG

ANALYST: rubin
 INST ID: DO METER
 LB: LB135810

SUPERVISOR: Iwona

Analysis Date: 05/16/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP111323

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP112724

QC BATCH ID: LB135810

BOD Water: WP113088

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP113090

GGA: WP113089

Chlorine Strips: W3155

pH Strips: W3140

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.7	9.7	9.7
WINKLER 2	WINKLER 2	2	300	9.9	19.6	9.7	9.7

Meter Calibration1: 9.14 Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.79

After Incubation

Meter Calibration2: 8.97 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB135810

INCUBATOR TEMP IN(C): 20.1

INCUBATOR TEMP OUT(C): 19.9

TIME IN: 16:40

TIME OUT: 12:00

DATE IN: 05/16/2025

DATE OUT: 05/21/2025

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
LB135810BL	1	No	6.62	N/A	20.90	300	9.79	9.78	0.01	0.01	0.01	
POLYSEED	1					10	9.72	6.02	3.7	0.74	0.71	
POLYSEED	2					15	9.70	4.20	5.5	0.73		
POLYSEED	3					20	9.67	3.09	6.58	0.66		
GGA	1					6	9.74	5.39	4.35	182	189.17	
GGA	2					6	9.71	5.28	4.43	186		
GGA	3					6	9.74	5.04	4.7	199.5		
Q2058-01	1	No	7.49	N/A	20.40	1	9.72	8.70	-	0	4926	
Q2058-01	2					5	9.69	8.23	-	0		
Q2058-01	3					10	9.67	6.72	2.95	6720		
Q2058-01	4					50	9.65	3.72	5.93	3132		
Q2058-01	5					100	9.26	0.17	-	0		
Q2058-05	1	No	4.40	6.89	20.50	1	9.76	8.55	-	0	8566	pH Adjusted
Q2058-05	2					5	9.74	6.89	2.85	12840		
Q2058-05	3					10	9.72	6.05	3.67	8880		
Q2058-05	4					50	9.65	2.31	7.34	3978		
Q2058-05	5					100	9.32	0.19	-	0		
Q2058-05DUP	1	No	4.40	6.86	20.50	1	9.76	8.49	-	0	8808	pH Adjusted
Q2058-05DUP	2					5	9.73	6.84	2.89	13080		
Q2058-05DUP	3					10	9.70	5.90	3.8	9270		
Q2058-05DUP	4					50	9.63	2.13	7.5	4074		
Q2058-05DUP	5					100	9.32	0.18	-	0		
Q2065-01	1	No	7.00	N/A	20.70	5	9.74	1.93	7.81	426	426	
Q2065-01	2					20	9.50	0.20	-	0		
Q2065-01	3					50	9.24	0.17	-	0		
Q2065-01	4					150	5.89	0.10	-	0		
Q2067-01	1	No	7.02	N/A	20.70	5	9.67	7.86	-	0	30.78	
Q2067-01	2					20	9.33	6.28	3.05	35.1		
Q2067-01	3					50	8.68	3.56	5.12	26.46		
Q2067-01	4					150	7.95	0.14	-	0		
Q2068-03	1	No	4.91	7.09	20.90	5	9.53	1.1	8.43	463.2	463.2	pH Adjusted
Q2068-03	2					20	9.23	0.16	-	0		
Q2068-03	3					50	8.61	0.15	-	0		
Q2068-03	4					150	7.18	0.13	-	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)

LB135810

WorkList Name : BOD5-5-16

WorkList ID : 189584

Department : Wet-Chemistry

Date : 05-16-2025 15:55:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2068-03	LAW-25-0074	Water	BOD5	Cool 4 deg C	PSEG03	L31	05/16/2025	SM5210 B

Date/Time 05/16/2025 16.05
 Raw Sample Received by: RM cwy
 Raw Sample Relinquished by: JPLC2025

Date/Time 05/16/2025 16.58
 Raw Sample Received by: JPLC2025
 Raw Sample Relinquished by: RM cwy

WORKLIST(Hardcopy Internal Chain)

66135810

WorkList Name : bod5-05-16 WorkList ID : 189577 Department : Wet-Chemistry Date : 05-16-2025 13:40:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2058-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	L41	05/15/2025	SM5210 B
Q2058-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	L41	05/15/2025	SM5210 B
Q2065-01	VAC TRUCK-728068	Water	BOD5	Cool 4 deg C	PSEG03	L41	05/16/2025	SM5210 B
Q2067-01	303-PPR-FRAC	Water	BOD5	Cool 4 deg C	PSEG03	L41	05/16/2025	SM5210 B

Date/Time 05/16/2025 14:30
 Raw Sample Received by: RM WB
 Raw Sample Relinquished by: JPL0209

Date/Time 05/16/2025 16:50
 Raw Sample Received by: JPL0209
 Raw Sample Relinquished by: RM WB