

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 02/06/2025

QC BATCH ID: LB134610

BOD Water: WP111811

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111813

NaOH, 1N: WP111323

GGA: WP111812

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111324

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.5	9.5	9.5
WINKLER 2	WINKLER 2	2	300	9.8	19.3	9.5	9.5

Meter Calibration1: 9.50 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.56

After Incubation

Meter Calibration2: 9.18 Zero DO Reading2: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg

QC BATCH ID: LB134610

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 19.7

TIME IN: 17:30

TIME OUT: 11:45

DATE IN: 02/06/2025

DATE OUT: 02/11/2025

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
LB134610BL	1	No	6.70	N/A	20.90	300	9.55	9.53	0.02	0.02	0.02	
POLYSEED	1					10	9.47	5.24	4.23	0.85	0.69	
POLYSEED	2					15	9.44	4.79	4.65	0.62		
POLYSEED	3					20	9.41	3.28	6.13	0.61		
GGA	1					6	9.47	5.13	4.34	182.5	185.83	
GGA	2					6	9.47	5.02	4.45	188		
GGA	3					6	9.41	4.98	4.43	187		
Q1316-01	1	No	6.90	N/A	20.20	5	9.52	8.60	-	0	32.1	
Q1316-01	2					20	9.46	8.48	-	0		
Q1316-01	3					50	9.39	3.35	6.04	32.1		
Q1316-01	4					150	9.16	0.07	-	0		
Q1316-01DUP	1	No	6.90	N/A	20.20	5	9.53	8.69	-	0	31.14	
Q1316-01DUP	2					20	9.48	8.43	-	0		
Q1316-01DUP	3					50	9.37	3.49	5.88	31.14		
Q1316-01DUP	4					150	9.16	0.07	-	0		
Q1316-02	1	No	6.92	N/A	20.20	5	9.54	8.14	-	0	56.3	
Q1316-02	2					20	9.47	4.21	5.26	68.55		
Q1316-02	3					50	9.31	1.28	8.03	44.04		
Q1316-02	4					150	9.06	0.07	-	0		
Q1325-01	1	No	7.17	N/A	20.00	5	9.53	8.45	-	0	10.71	
Q1325-01	2					20	9.52	8.19	-	0		
Q1325-01	3					50	9.51	6.55	2.96	13.62		
Q1325-01	4					150	9.49	4.90	4.59	7.8		
Q1325-03	1	No	7.17	N/A	20.00	5	9.52	6.67	2.85	129.6	52.09	
Q1325-03	2					20	9.51	6.03	3.48	41.85		
Q1325-03	3					50	9.48	4.87	4.61	23.52		
Q1325-03	4					150	9.46	2.07	7.39	13.4		
Q1325-05	1	No	7.12	N/A	20.00	5	9.52	8.88	-	0	5.58	
Q1325-05	2					20	9.50	8.65	-	0		
Q1325-05	3					50	9.48	7.97	-	0		
Q1325-05	4					150	9.43	5.95	3.48	5.58		

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)

6134610

WorkList Name : BOD5-2-06

WorkList ID : 187551

Department : Wet-Chemistry

Date : 02-06-2025 14:02:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1325-01 C1	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	N41	02/06/2025	SM5210 B
Q1325-03 C1	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	N41	02/06/2025	SM5210 B
Q1325-05 C1	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	N41	02/06/2025	SM5210 B

Date/Time 02/06/2025 14:35
 Raw Sample Received by: NF(wc)
 Raw Sample Relinquished by: M. W. W.

Date/Time 02/06/2025 16:30
 Raw Sample Received by: M. W. W.
 Raw Sample Relinquished by: NF(wc)

WORKLIST(Hardcopy Internal Chain)

6134610

WorkList Name : bod5-2-6

WorkList ID : 187520

Department : Wet-Chemistry

Date : 02-06-2025 08:39:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1316-01 E	001-WILLETS-PT-BLVD(FEB)	Water	BOD5	Cool 4 deg C	TULL01	N41	02/05/2025	SM5210 B
Q1316-02 E	002-35TH-AVE(FEB)	Water	BOD5	Cool 4 deg C	TULL01	N41	02/05/2025	SM5210 B

Date/Time 02/06/2025 14:00
Raw Sample Received by: NF(wc)
Raw Sample Relinquished by: M Lee

Date/Time 02/06/2025 16:30
Raw Sample Received by: J Miller
Raw Sample Relinquished by: NF(wc)