

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 09/25/2025

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP113878

IncubatorID: INCUBATOR #3

GuageID: 0511064

Zero DO: WP114920

QC BATCH ID: LB137318

BOD Water: WP114908

Starch: W3149

Sulfuric acid, 1N: WP112832

POLYSEED: WP114910

GGA: WP114909

Chlorine Strips: W3155

pH Strips: W3215

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.6	9.6	9.6
WINKLER 2	WINKLER 2	2	300	9.8	19.4	9.6	9.6

Meter Calibration1: 9.15 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.65 Zero DO Reading2: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB137318

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 10:00

TIME OUT: 09:20

DATE IN: 09/25/2025

DATE OUT: 09/30/2025

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
LB137318BL	1	No	6.59	N/A	20.90	300	9.68	9.66	0.02	0.02	0.02	
POLYSEED	1					10	9.63	6.67	2.96	0.59	0.63	
POLYSEED	2					15	9.59	4.53	5.06	0.67		
POLYSEED	3					20	9.52	3.23	6.29	0.63		
GGA	1					6	9.52	5.09	4.43	190	192.83	
GGA	2					6	9.50	5.00	4.5	193.5		
GGA	3					6	9.50	4.97	4.53	195		
Q3168-05	1	No	5.77	6.81	20.20	5	9.61	7.60	2.01	82.8	72.22	pH Adjusted
Q3168-05	2					20	9.52	4.78	4.74	61.65		
Q3168-05	3					50	8.93	0.24	-	0		
Q3168-05	4					150	7.27	0.19	-	0		
Q3168-06	1	No	6.32	6.92	20.20	5	9.59	6.98	2.61	118.8	107.1	pH Adjusted
Q3168-06	2					20	9.42	2.43	6.99	95.4		
Q3168-06	3					50	8.71	0.20	-	0		
Q3168-06	4					150	7.21	0.12	-	0		
Q3180-02	1	No	6.76	N/A	20.30	5	9.41	2.83	6.58	3570	3570	
Q3180-02	2					10	9.35	0.11	-	0		
Q3180-02	3					20	9.14	0.09	-	0		
Q3180-02	4					30	9.03	0.07	-	0		
Q3180-02DUP	1	No	6.76	N/A	20.30	5	9.42	2.99	6.43	3480	3480	
Q3180-02DUP	2					10	9.36	0.15	-	0		
Q3180-02DUP	3					20	9.12	0.12	-	0		
Q3180-02DUP	4					30	9.04	0.10	-	0		
Q3184-01	1	No	7.67	7.31	20.50	1	9.45	7.40	2.05	42600	16504.5	pH Adjusted
Q3184-01	2					5	9.34	6.67	2.67	12240		
Q3184-01	3					10	9.27	6.42	2.85	6660		
Q3184-01	4					50	9.17	1.01	8.16	4518		
Q3184-01	5					100	9.01	0.46	-	0		
Q3184-05	1	No	4.91	7.01	20.30	1	9.46	7.76	-	0	5370	pH Adjusted
Q3184-05	2					5	9.42	7.40	2.02	8340		
Q3184-05	3					10	9.39	7.04	2.35	5160		
Q3184-05	4					50	9.21	4.23	4.98	2610		
Q3184-05	5					100	8.90	0.94	-	0		
Q3202-01	1	No	5.99	7.09	20.10	5	9.36	8.89	-	0		pH Adjusted
Q3202-01	2					20	9.24	8.81	-	0		
Q3202-01	3					50	9.07	8.65	-	0		
Q3202-01	4					150	8.25	8.11	-	0		
Q3202-03	1	No	5.46	6.85	20.10	5	9.60	8.69	-	0		pH Adjusted
Q3202-03	2					20	9.44	8.39	-	0		
Q3202-03	3					50	9.35	8.27	-	0		
Q3202-03	4					150	8.44	8.16	-	0		

Q3202-05	1	No	5.84	6.74	20.00	5	9.63	8.78	-	0		
Q3202-05	2					20	9.60	8.51	-	0		
Q3202-05	3					50	9.57	8.40	-	0		
Q3202-05	4					150	8.97	7.49	-	0		
Q3202-07	1	No	5.94	6.99	20.00	5	9.65	8.86	-	0		pH Adjusted
Q3202-07	2					20	9.59	8.60	-	0		
Q3202-07	3					50	9.33	8.29	-	0		
Q3202-07	4					150	8.07	7.98	-	0		
Q3202-09	1	No	5.83	7.23	20.00	5	9.61	8.88	-	0		pH Adjusted
Q3202-09	2					20	9.57	8.68	-	0		
Q3202-09	3					50	9.45	8.27	-	0		
Q3202-09	4					150	8.68	8.12	-	0		
Q3202-11	1	No	6.44	6.70	20.00	5	9.55	7.56	-	0	37.06	pH Adjusted
Q3202-11	2					20	9.47	6.03	3.44	42.15		
Q3202-11	3					50	9.09	3.13	5.96	31.98		
Q3202-11	4					150	6.94	0.96	-	0		
Q3202-17	1	No	6.23	6.59	20.00	5	9.60	7.62	-	0	45.05	pH Adjusted
Q3202-17	2					20	8.89	4.89	4	50.55		
Q3202-17	3					50	8.30	1.08	7.22	39.54		
Q3202-17	4					150	6.02	0.49	-	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)

6137318

WorkList Name : bod5-9-24

WorkList ID : 192047

Department : Wet-Chemistry

Date : 09-24-2025 12:51:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3168-05	TOTES COMP#1	Water	BOD5	Cool 4 deg C	PSEG03	J11	09/23/2025	SM5210 B
Q3168-06	TOTES COMP#2	Water	BOD5	Cool 4 deg C	PSEG03	J11	09/23/2025	SM5210 B
Q3180-02	Comp	Water	BOD5	Cool 4 deg C	ARAM01	J51	09/24/2025	SM5210 B
Q3184-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	J52	09/24/2025	SM5210 B
Q3184-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	J52	09/24/2025	SM5210 B

Date/Time 09/25/2025 07:25
 Raw Sample Received by: RH cws
 Raw Sample Relinquished by: RC (CWS)

Date/Time 09/25/2025 10:10
 Raw Sample Received by: RC (CWS)
 Raw Sample Relinquished by: RH cws

6137318

WORKLIST(Hardcopy Internal Chain)

WorkList Name : bod5-09-25

WorkList ID : 192093

Department : Wet-Chemistry

Date : 09-25-2025 07:15:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3202-01	SY-6	Water	BOD5	Cool 4 deg C	LOCK01	I63	09/23/2025	SM5210 B
Q3202-03	SY-2R	Water	BOD5	Cool 4 deg C	LOCK01	I63	09/23/2025	SM5210 B
Q3202-05	SY-2D	Water	BOD5	Cool 4 deg C	LOCK01	I63	09/23/2025	SM5210 B
Q3202-07	SY-5	Water	BOD5	Cool 4 deg C	LOCK01	I63	09/23/2025	SM5210 B
Q3202-09	SY-3DD	Water	BOD5	Cool 4 deg C	LOCK01	I63	09/23/2025	SM5210 B
Q3202-11	SY-3D	Water	BOD5	Cool 4 deg C	LOCK01	I63	09/23/2025	SM5210 B
Q3202-17	SY-3	Water	BOD5	Cool 4 deg C	LOCK01	I63	09/23/2025	SM5210 B

Date/Time 09/25/2025 07:25
Raw Sample Received by: RM (WC)
Raw Sample Relinquished by: RM (WC)

Date/Time 09/20/25 10.10
Raw Sample Received by: RM (WC)
Raw Sample Relinquished by: RM (WC)