

BOD5 LOG

ANALYST: rubin

SUPERVISOR: Iwona

Analysis Date: 11/21/2024

MANGANOUS SULFATE SOLUTION: W3103

Alkaline Iodide Azide: W3109

Sodium Thiosulfate, 0.025N: W3105

NaOH, 1N: WP108662

IncubatorID: INCUBATOR #3

GuageID: 0511062

Zero DO: WP110595

QC BATCH ID: LB133547

BOD Water: WP110798

Starch: W3149

Sulfuric acid, 1N: WP110386

POLYSEED: WP110800

GGA: WP110799

Chlorine Strips: W2965

pH Strips: W3104

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.4	9.4	9.4
WINKLER 2	WINKLER 2	2	300	9.2	18.6	9.4	9.4

Meter Calibration1: 8.86 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg DO Meter BOD fluid reading for winkler comparison: 9.45

After Incubation

Meter Calibration2: 8.89 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

QC BATCH ID: LB133547

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.3

TIME IN: 17:20

TIME OUT: 11:50

DATE IN: 11/21/2024

DATE OUT: 11/26/2024

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
LB133547BL	1	No	6.64	N/A	20.40	300	9.44	9.42	0.02	0.02	0.02	
POLYSEED	1					10	9.30	6.98	2.32	0.46	0.48	
POLYSEED	2					15	9.28	5.53	3.75	0.5		
POLYSEED	3					20	9.25	4.59	4.66	0.47		
GGA	1					6	9.29	5.07	4.22	187	194	
GGA	2					6	9.25	4.97	4.28	190		
GGA	3					6	9.25	4.67	4.58	205		
P4931-02	1	No	7.02	N/A	20.40	0.5	9.20	7.80	-	0	424.5	
P4931-02	2					1	9.09	7.36	-	0		
P4931-02	3					2	8.82	5.51	3.31	424.5		
P4931-02	4					3	8.68	0.90	-	0		
P4931-02DUP	1	No	7.02	N/A	20.40	0.5	9.18	7.67	-	0	442.5	
P4931-02DUP	2					1	9.07	7.40	-	0		
P4931-02DUP	3					2	8.82	5.39	3.43	442.5		
P4931-02DUP	4					3	8.66	0.91	-	0		
P4937-01	1	No	8.64	7.08	20.20	0.5	9.20	6.57	2.63	1290	556.86	pH Adjusted
P4937-01	2					1	9.15	6.08	3.07	777		
P4937-01	3					2	8.93	5.82	3.11	394.5		
P4937-01	4					5	8.25	5.24	3.01	151.8		
P4937-01	5					10	7.33	1.15	6.18	171		
P4937-05	1	No	4.60	6.89	20.30	0.01	9.21	6.73	2.48	60000	30220	pH Adjusted
P4937-05	2					0.05	9.12	5.68	3.44	17760		
P4937-05	3					0.1	8.95	4.17	4.78	12900		
P4937-05	4					0.5	8.45	0.28	-	0		
P4937-05	5					1	8.23	0.07	-	0		
P4947-01	1	No	9.06	7.22	20.00	5	9.20	8.82	-	0		pH Adjusted
P4947-01	2					20	9.08	8.62	-	0		
P4947-01	3					50	9.04	8.32	-	0		
P4947-01	4					150	9.01	8.02	-	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)

16133547

WorkList Name : bod5-11-21

WorkList ID : 185630

Department : Wet-Chemistry

Date : 11-21-2024 08:38:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4931-02	COMP	Water	BOD5	Cool 4 deg C	ARAM01	M11	11/20/2024	SM5210 B
P4937-01	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	11/20/2024	SM5210 B
P4937-05	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	M11	11/20/2024	SM5210 B

Date/Time 11/21/2024 14:50
Raw Sample Received by: RM GWC
Raw Sample Relinquished by: A. Delaf

Date/Time 11/21/2024
Raw Sample Received by: J. P. C.
Raw Sample Relinquished by: RM GWC

WORKLIST(Hardcopy Internal Chain)

6133547

WorkList Name : BOD5-11-21- WorkList ID : 185660 Department : Wet-Chemistry Date : 11-21-2024 14:25:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4947-01	A3988	Water	BOD5	Cool 4 deg C	PSEG03	L61	11/21/2024	SM5210 B

Date/Time 11/21/2024 16:30
Raw Sample Received by: RM cwc
Raw Sample Relinquished by: JG cwc

Date/Time 11/21/2024 17:00
Raw Sample Received by: JG cwc
Raw Sample Relinquished by: RM cwc