

BOD5 LOG

ANALYST: rubina

SUPERVISOR: Iwona

Analysis Date: 09/06/2024

QC BATCH ID: LB132305

BOD Water: WP109593

MANGANOUS SULFATE SOLUTION: W3103

Starch: W2977

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP108475

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP109595

NaOH, 1N: WP108662

GGA: WP109594

IncubatorID: INCUBATOR #3

Chlorine Strips: W2965

GuageID: 0511062

pH Strips: W3121

Zero DO: WP109433

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.1	18.3	9.2	9.2

Meter Calibration1: 9.21 Zero DO Reading1: 0.10 mg/L (<=0.2 Criteria)

Barometric Pressure1: 771 mmHg DO Meter BOD fluid reading for winkler comparison: 9.21

After Incubation

Meter Calibration2: 9.28 Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 771 mmHg



QC BATCH ID: LB132305

INCUBATOR TEMP IN(C): 20.3

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 18:00

TIME OUT: 12:10

DATE IN: 09/06/2024

DATE OUT: 09/11/2024

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
LB132305BL	1	No	6.95	N/A	20.60	300	9.20	9.18	0.02	0.02	0.02	
POLYSEED	1					10	9.15	6.38	2.77	0.55	0.51	
POLYSEED	2					15	9.08	5.76	3.32	0.44		
POLYSEED	3					20	9.03	3.64	5.39	0.54		
GGA	1					6	9.07	5.09	3.98	173.5	177	
GGA	2					6	9.02	5.00	4.02	175.5		
GGA	3					6	9.02	4.87	4.15	182		
P3844-04	1	No	7.46	N/A	20.00	5	8.91	8.58	-	0	3.4	
P3844-04	2					20	8.89	8.17	-	0		
P3844-04	3					50	8.86	7.86	-	0		
P3844-04	4					150	7.84	5.63	2.21	3.4		
P3853-01	1	No	7.45	N/A	20.40	5	9.06	7.52	-	0	78.9	
P3853-01	2					20	8.38	2.61	5.77	78.9		
P3853-01	3					50	7.75	0.83	-	0		
P3853-01	4					150	4.57	0.25	-	0		
P3853-01DUP	1	No	7.45	N/A	20.40	5	9.06	7.70	-	0	76.8	
P3853-01DUP	2					20	8.35	2.72	5.63	76.8		
P3853-01DUP	3					50	7.71	0.81	-	0		
P3853-01DUP	4					150	4.55	0.23	-	0		
P3858-01	1	No	7.15	N/A	20.30	5	9.09	8.40	-	0	3.32	
P3858-01	2					20	8.70	7.91	-	0		
P3858-01	3					50	8.68	7.48	-	0		
P3858-01	4					150	8.64	6.47	2.17	3.32		
P3858-03	1	No	6.92	N/A	20.20	5	9.02	8.08	-	0	4.82	
P3858-03	2					20	8.61	7.99	-	0		
P3858-03	3					50	8.60	7.75	-	0		
P3858-03	4					150	8.58	5.66	2.92	4.82		
P3858-05	1	No	7.03	N/A	20.50	5	9.04	8.27	-	0		
P3858-05	2					20	8.99	8.09	-	0		
P3858-05	3					50	8.60	7.17	-	0		
P3858-05	4					150	8.54	6.84	-	0		
P3884-01	1	No	6.35	6.84	20.80	5	8.15	7.12	-	0	46.95	pH Adjusted
P3884-01	2					20	8.88	5.24	3.64	46.95		
P3884-01	3					50	8.49	0.27	-	0		
P3884-01	4					150	5.98	0.17	-	0		
P3884-02	1	No	6.40	6.79	20.80	5	9.16	5.19	3.97	207.6	105.78	pH Adjusted
P3884-02	2					20	9.02	3.65	5.37	72.9		
P3884-02	3					50	8.48	1.83	6.65	36.84		
P3884-02	4					150	5.27	0.17	-	0		
P3901-01	1	No	7.77	7.22	20.80	0.5	9.04	6.00	3.04	1518	1693.5	pH Adjusted
P3901-01	2					1	9.02	2.28	6.74	1869		

P3901-01	3					2	8.94	0.25	-	0		
P3901-01	4					5	8.83	0.20	-	0		
P3901-01	5					10	8.09	0.16	-	0		
P3901-05	1	No	7.48	N/A	20.60	0.01	9.17	6.87	2.3	53700	32030	
P3901-05	2					0.05	9.02	4.68	4.34	22980		
P3901-05	3					0.1	9.00	2.02	6.98	19410		
P3901-05	4					0.5	8.94	0.20	-	0		
P3901-05	5					1	8.63	0.19	-	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)

6132305

WorkList Name : bod5-9-5 WorkList ID : 183173 Department : Wet-Chemistry Date : 09-05-2024 08:06:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3853-01 K	252805	Water	BOD5	Cool 4 deg C	PSEG03	H53	09/05/2024	SM5210 B
P3858-01 F	DSN002	Water	BOD5	Cool 4 deg C	PSEG04	H53	09/05/2024	SM5210 B
P3858-03 F	DSN001	Water	BOD5	Cool 4 deg C	PSEG04	H53	09/05/2024	SM5210 B
P3858-05 F	DSN003	Water	BOD5	Cool 4 deg C	PSEG04	H53	09/05/2024	SM5210 B
P3844-04 E	WATER-TREATMENT-DISCHAI	Water	BOD5	Cool 4 deg C	VERI01	H53	09/05/2024	SM5210 B
P3901-01 D	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H53	09/06/2024	SM5210 B
P3901-05 B	INFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H53	09/06/2024	SM5210 B
P3884-01 F	001-WILLETTS-PT-BLVD(SEP)	Water	BOD5	Cool 4 deg C	TULL01	H53	09/05/2024	SM5210 B
P3884-02 F	002-35TH-AVE(SEP)	Water	BOD5	Cool 4 deg C	TULL01	H53	09/05/2024	SM5210 B

Date/Time 09/06/2024 15:40
Raw Sample Received by: RM (WIC)
Raw Sample Relinquished by: [Signature]

Date/Time 09/06/2024 16:50
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RM (WIC)